

09/652,009

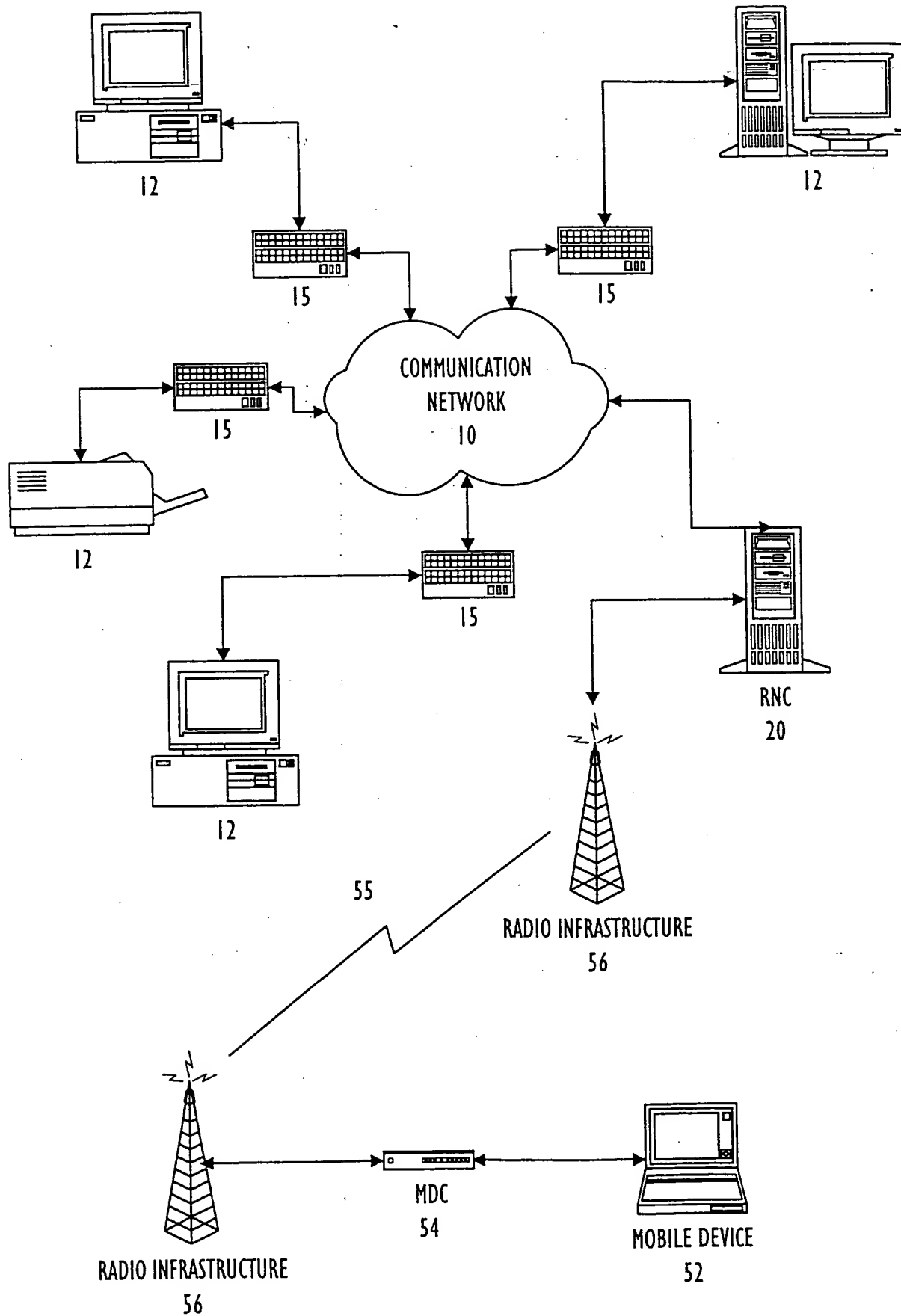


FIG. 1



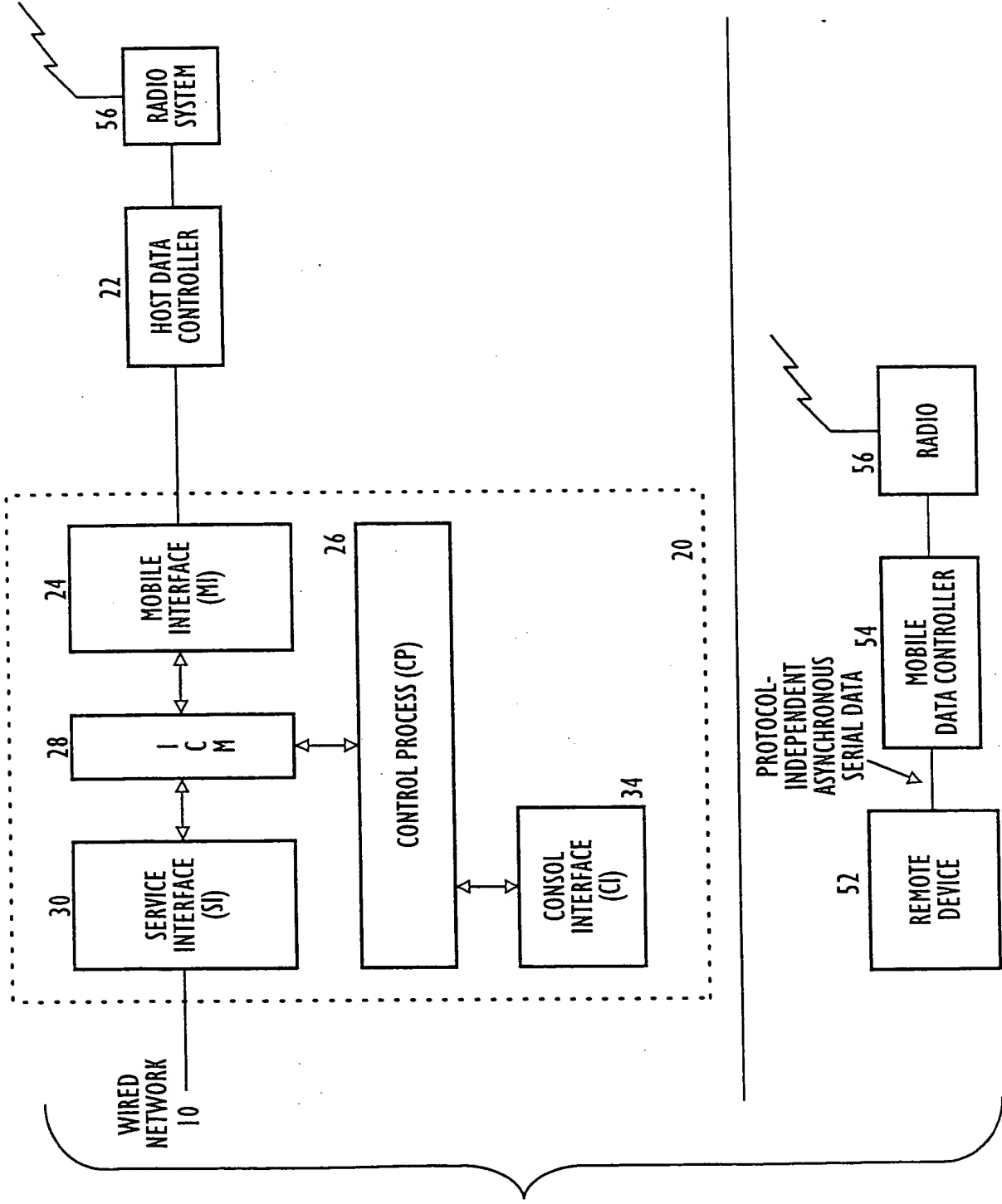


FIG. 2



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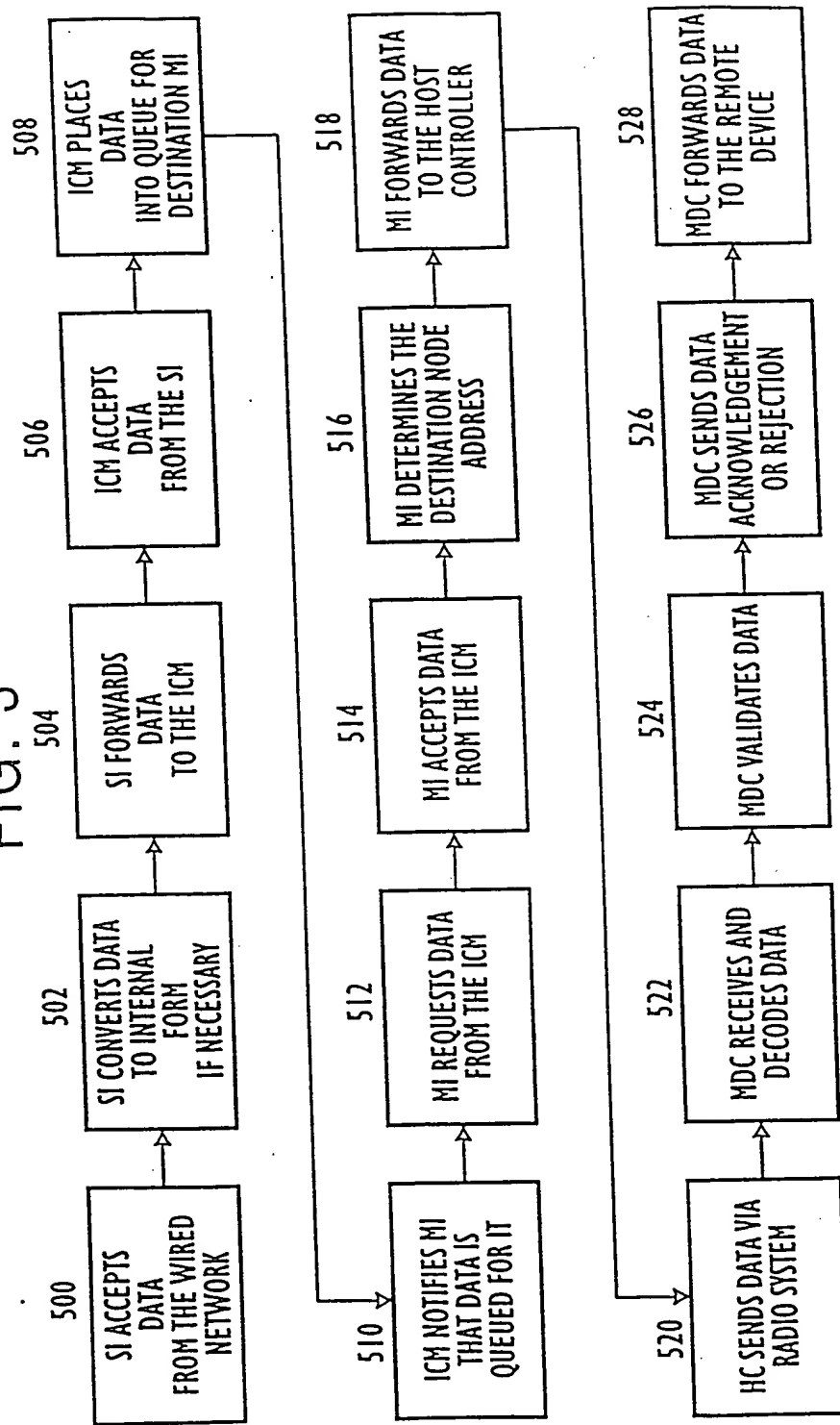
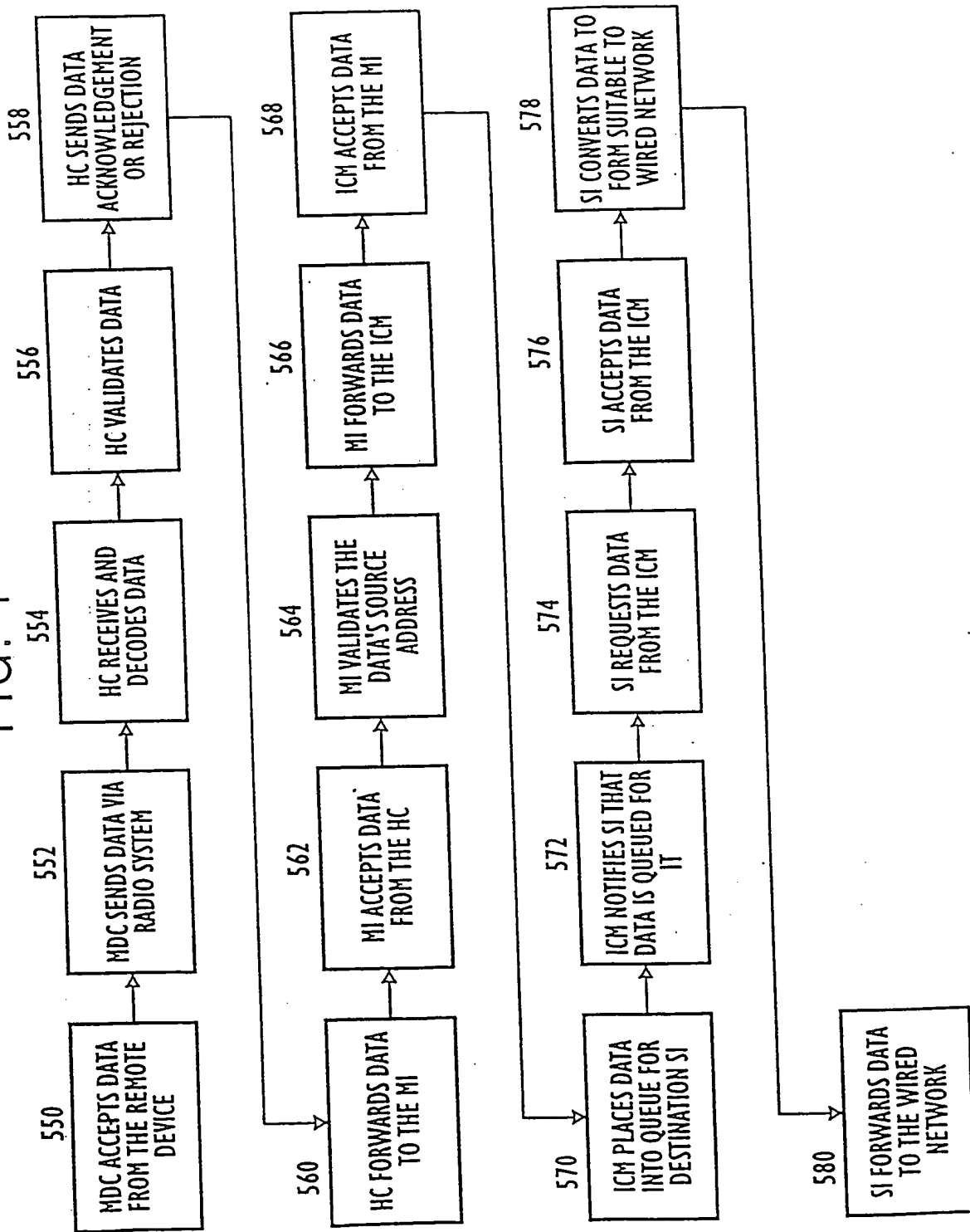




FIG. 4





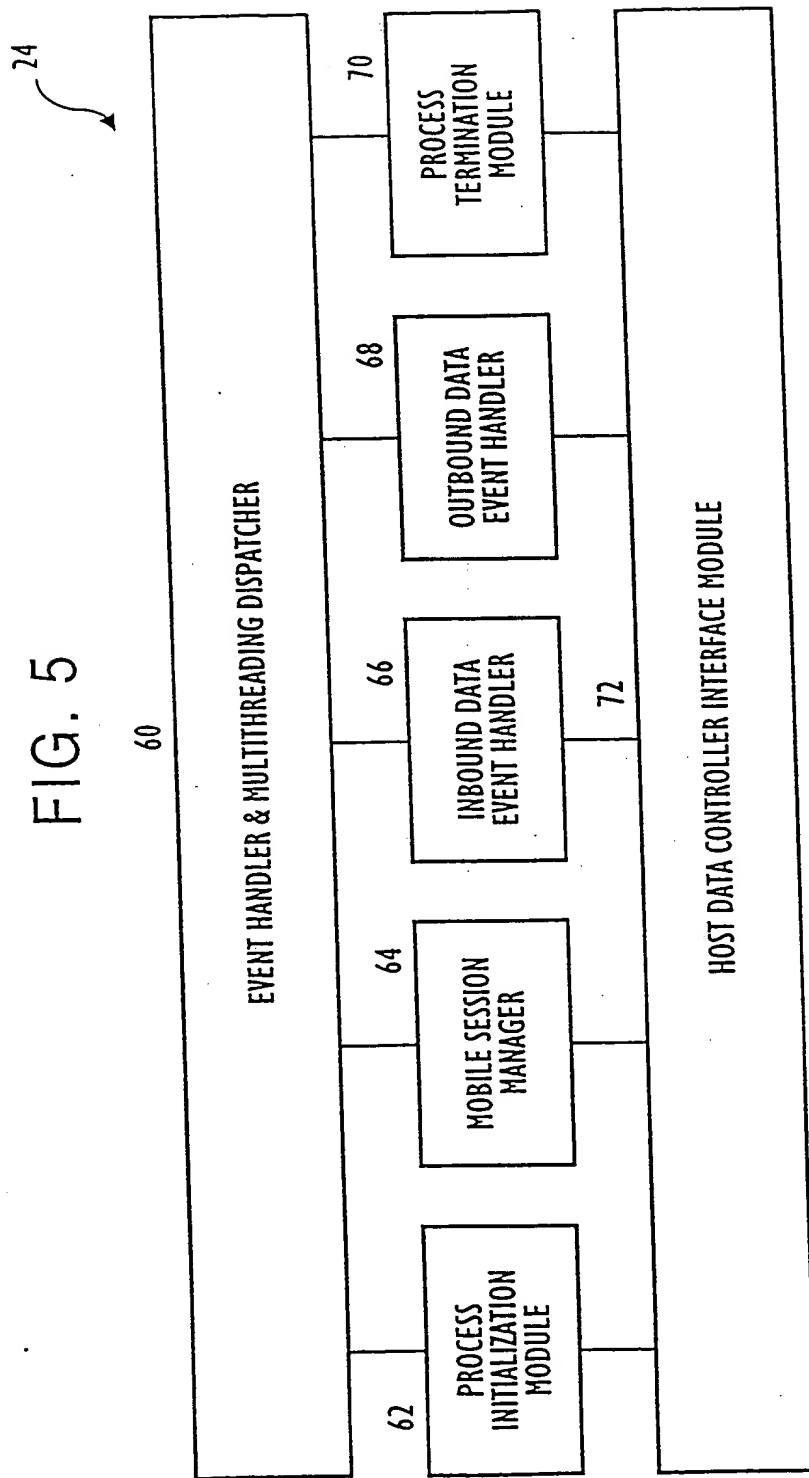




FIG. 6

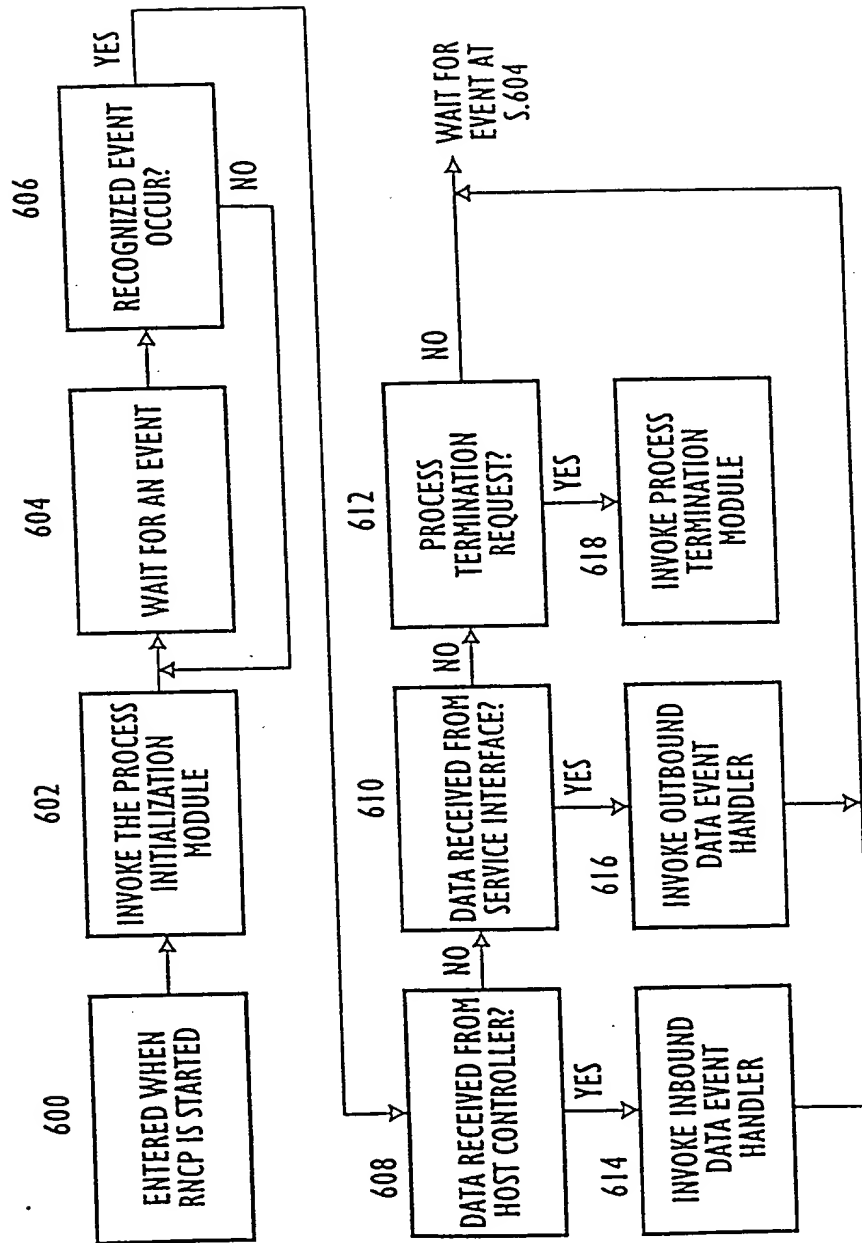




FIG. 7

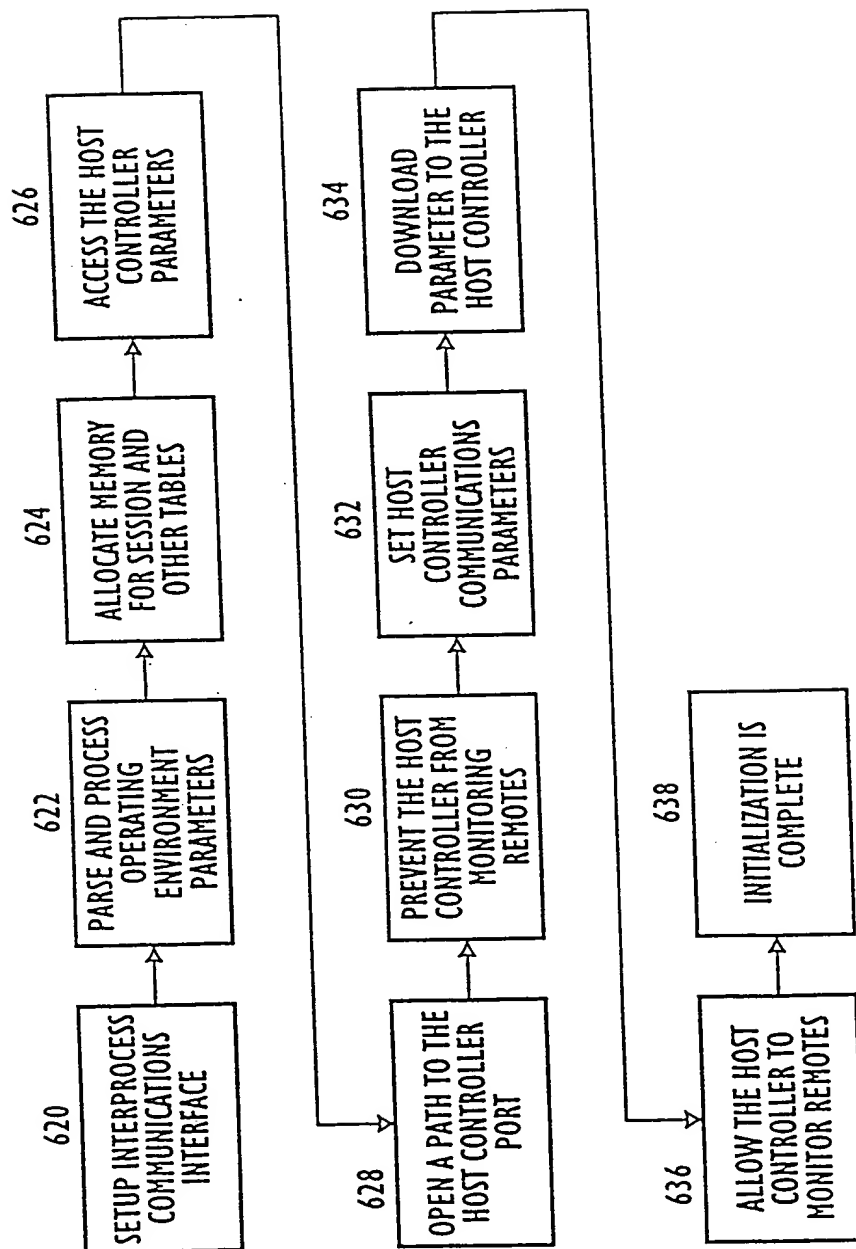








FIG. 9

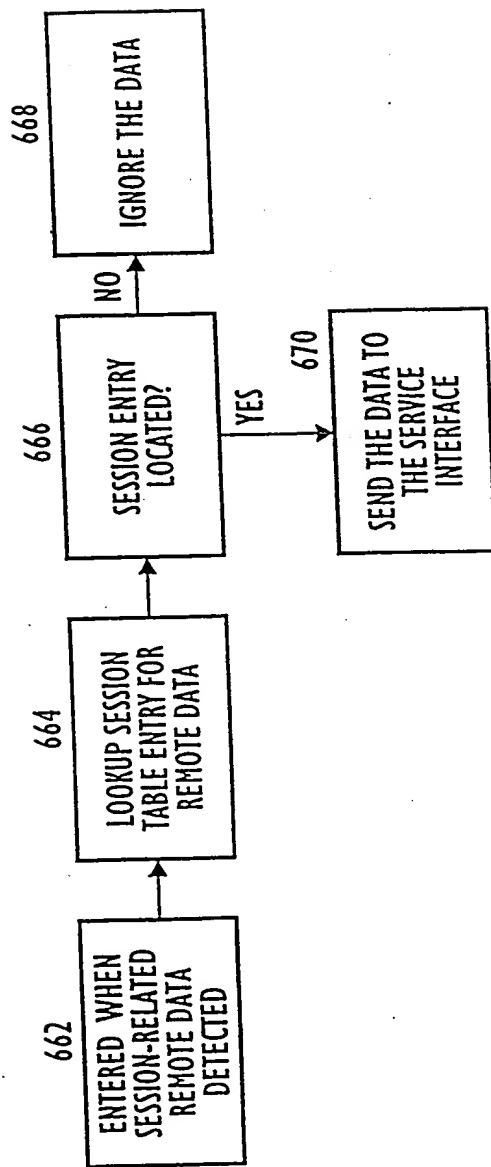




FIG. 10

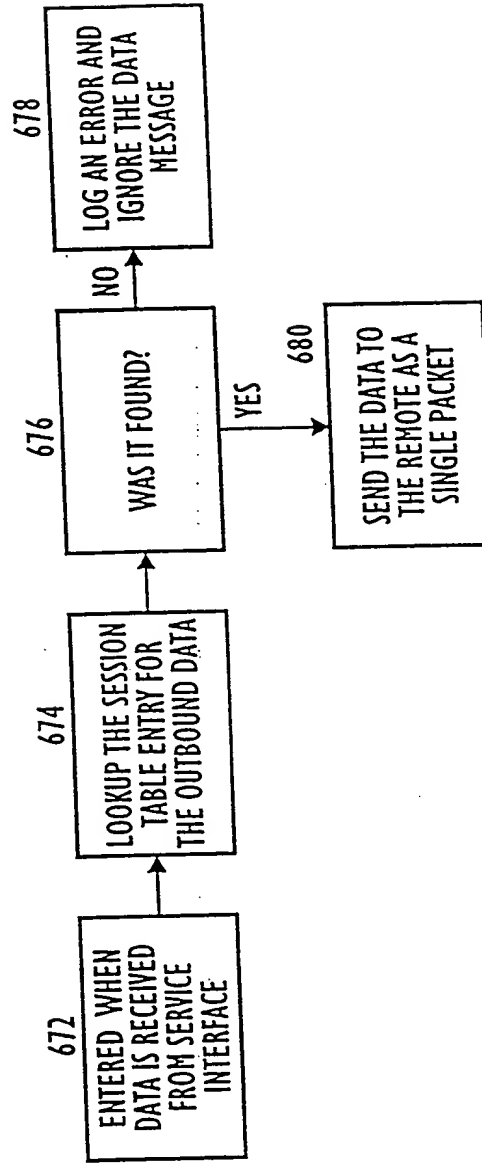




FIG. 11

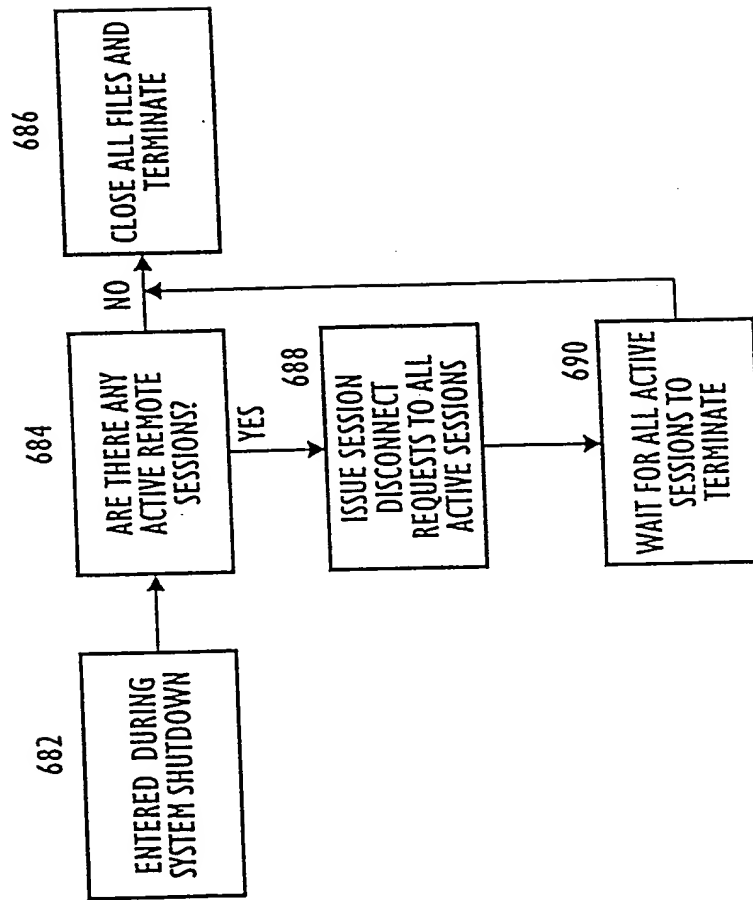




FIG. 12

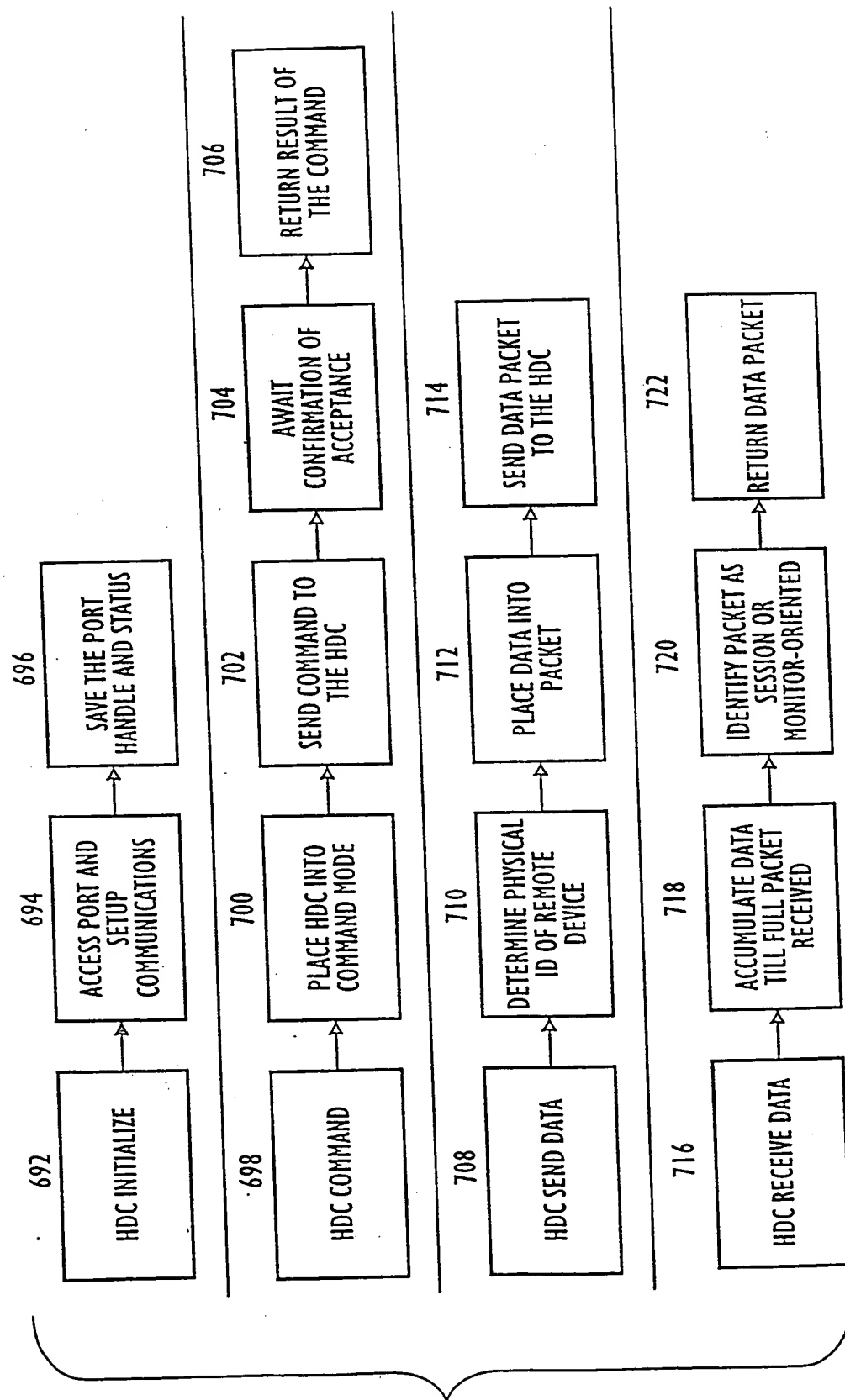




FIG 13

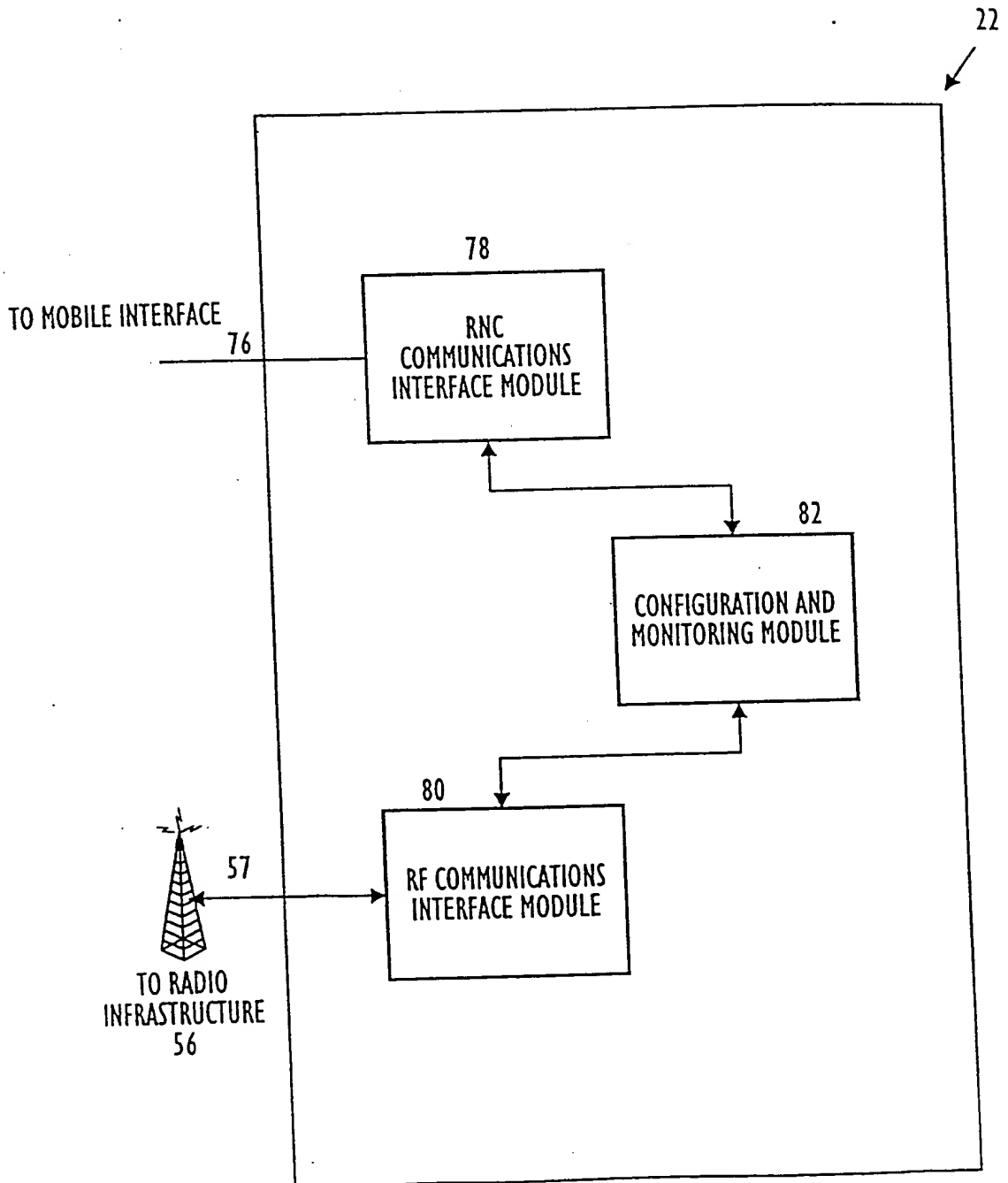




FIG. 14

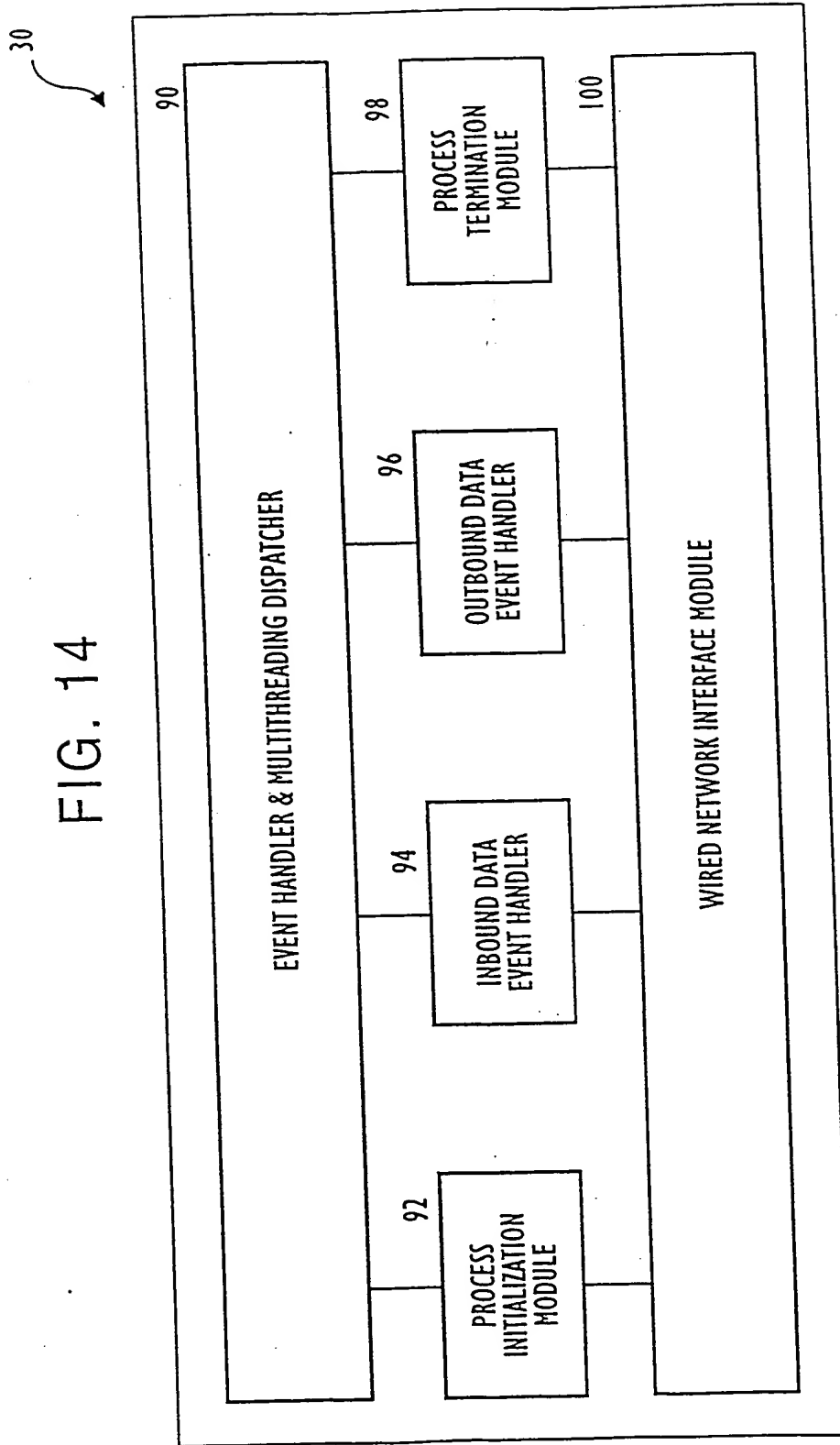
















FIG. 18

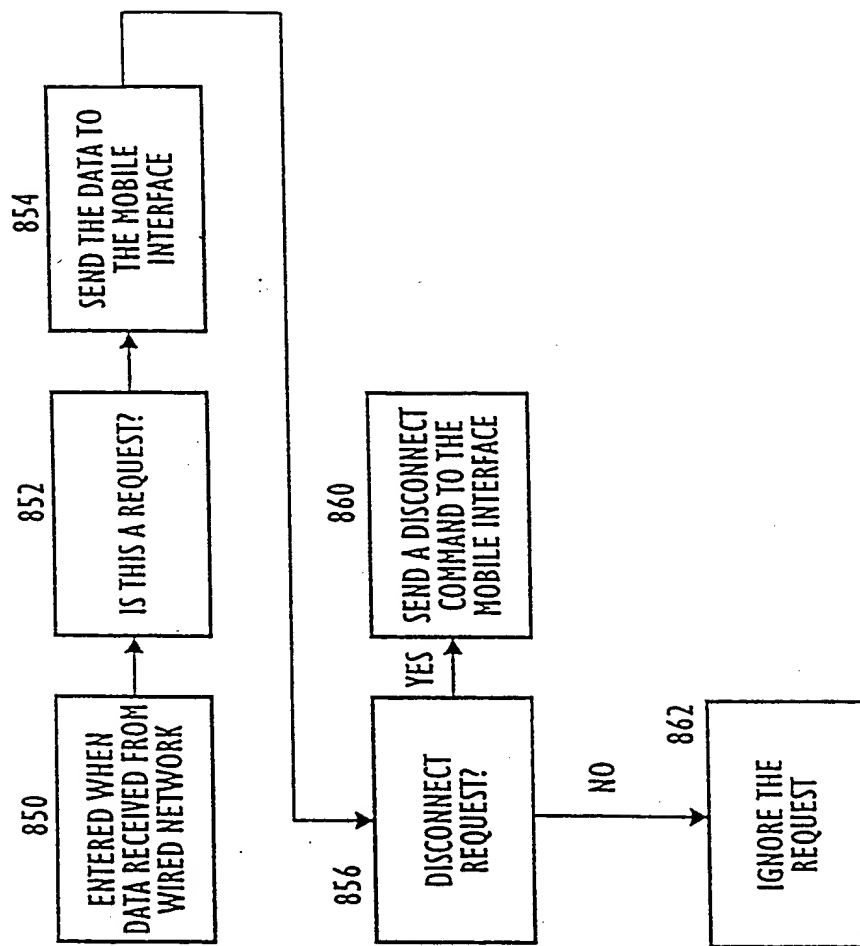




FIG. 19

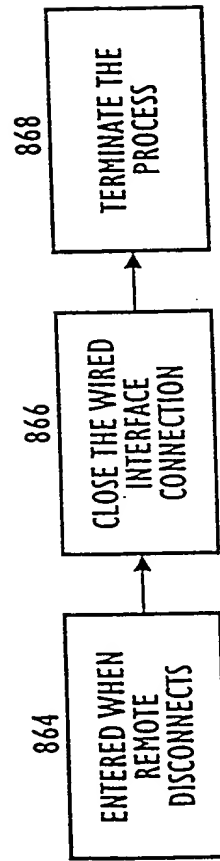




FIG. 20

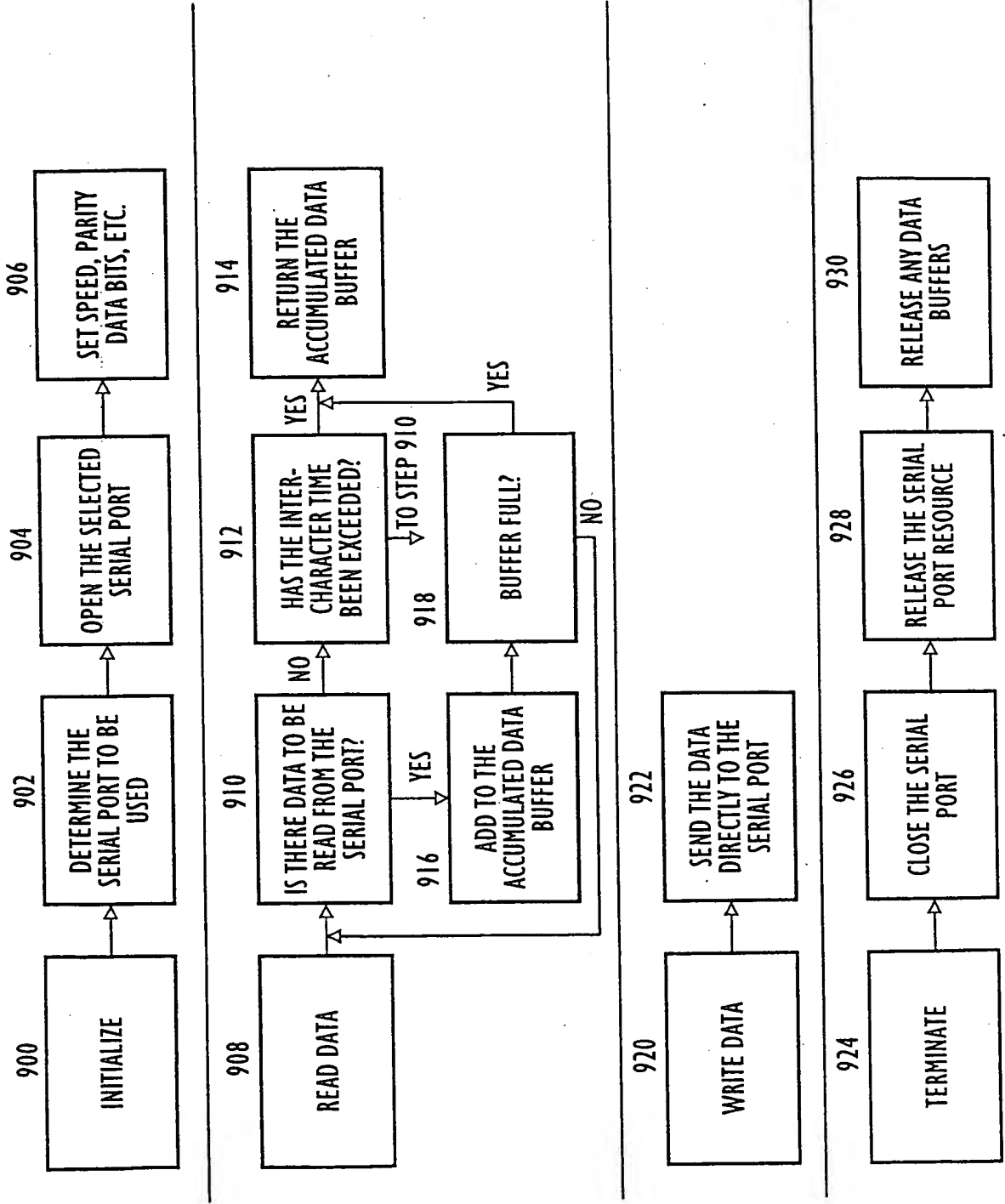




FIG. 21

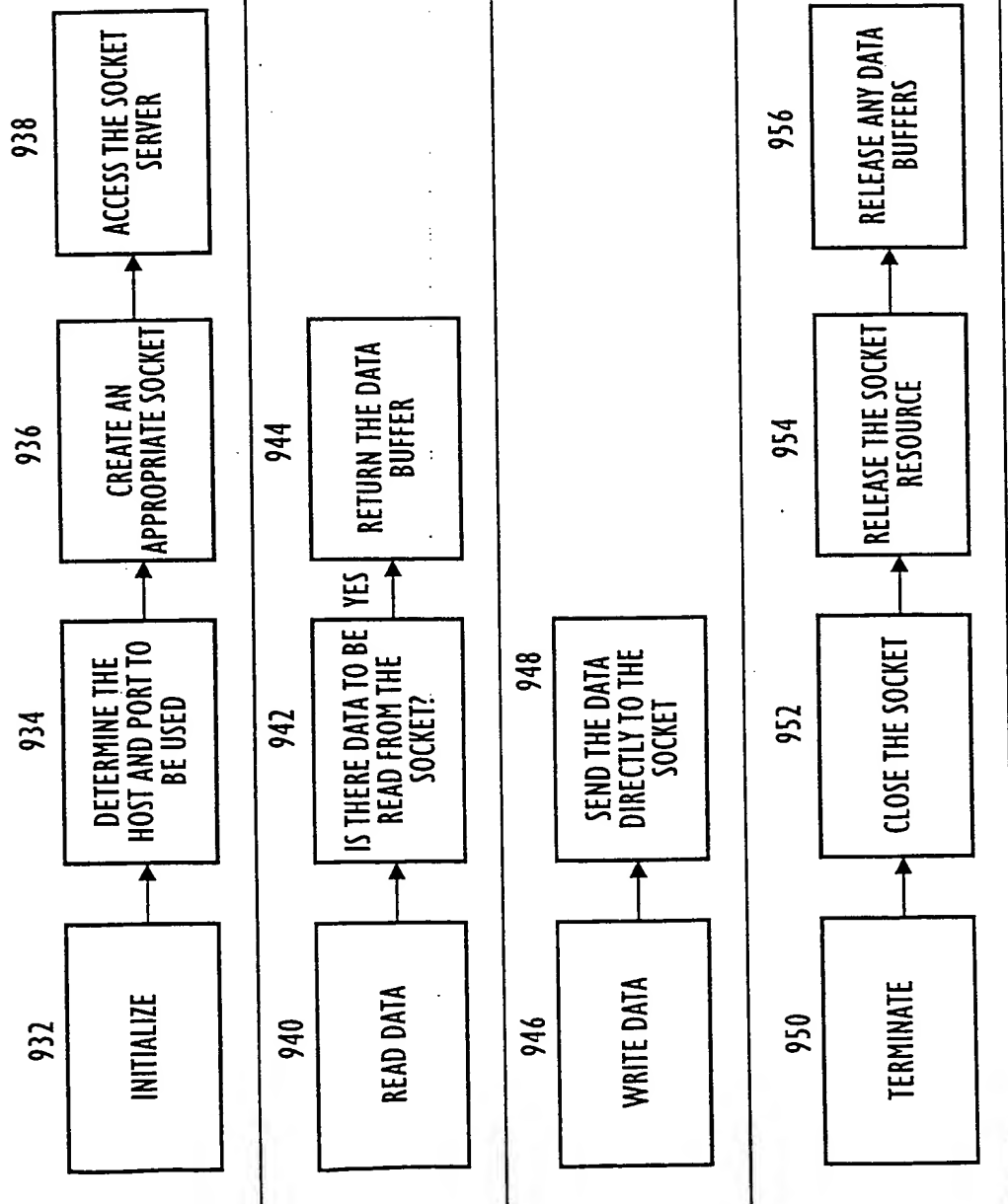




FIG. 22

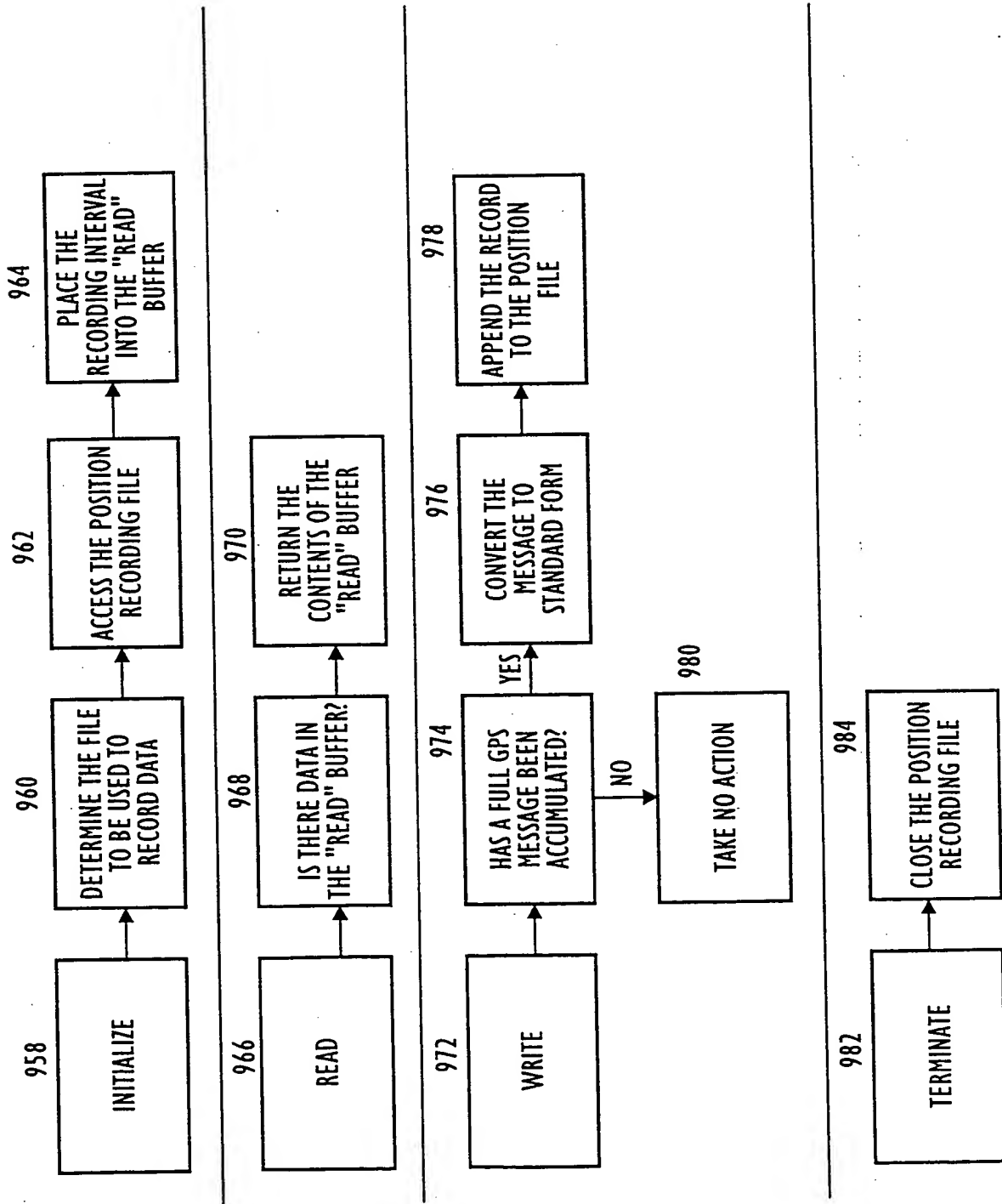












FIG. 24

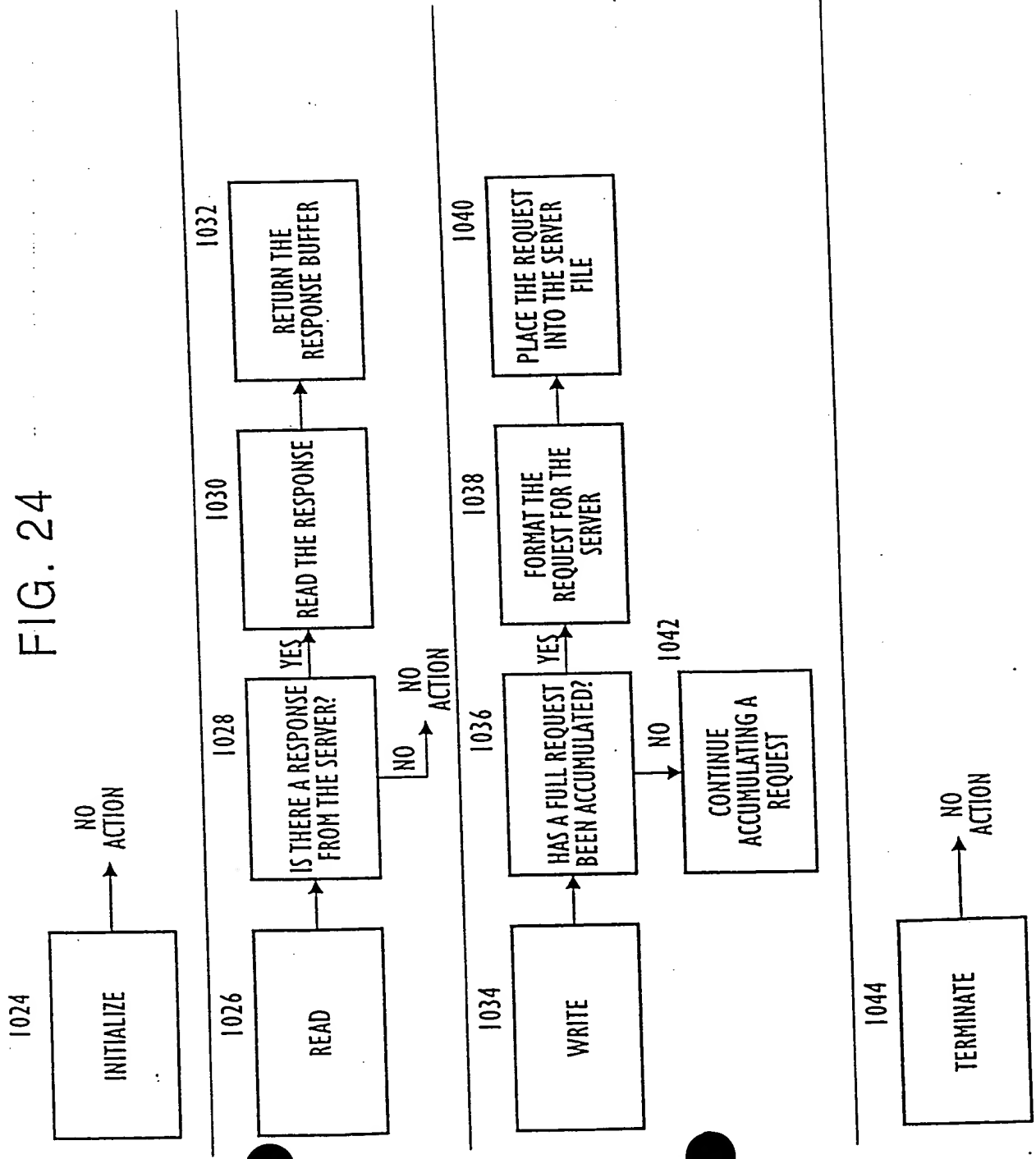




FIG 25

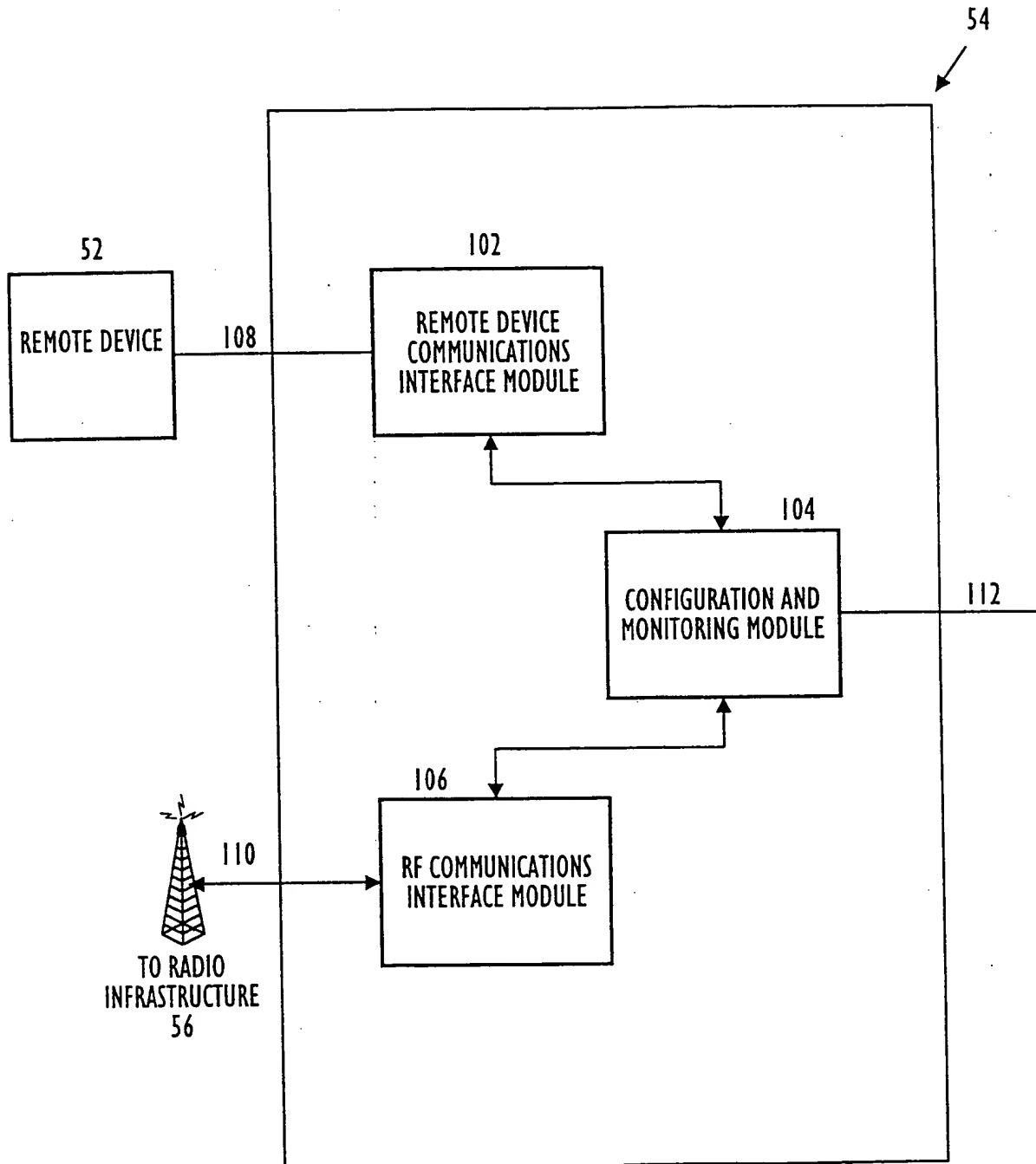




FIG 26

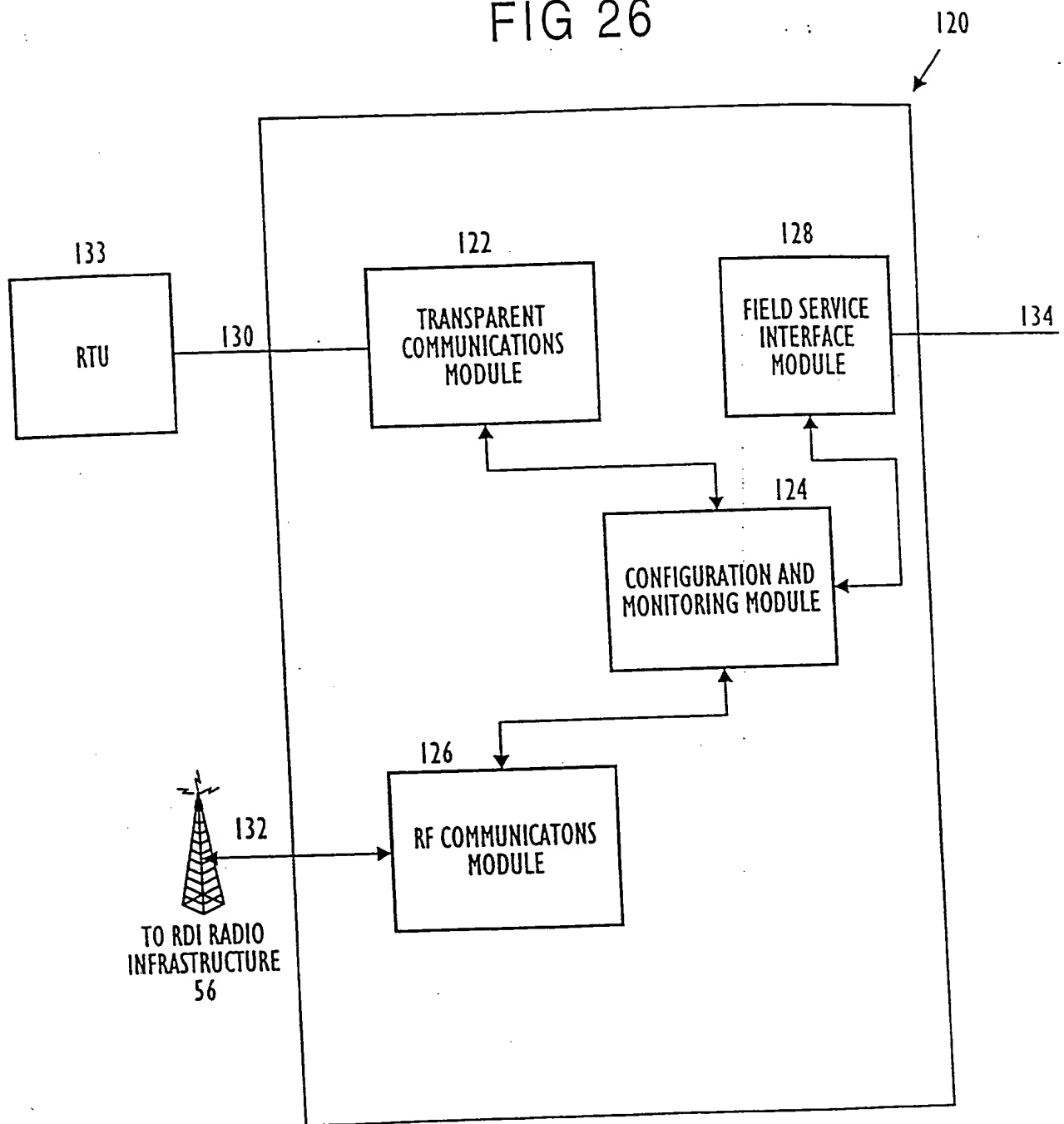




FIG 27

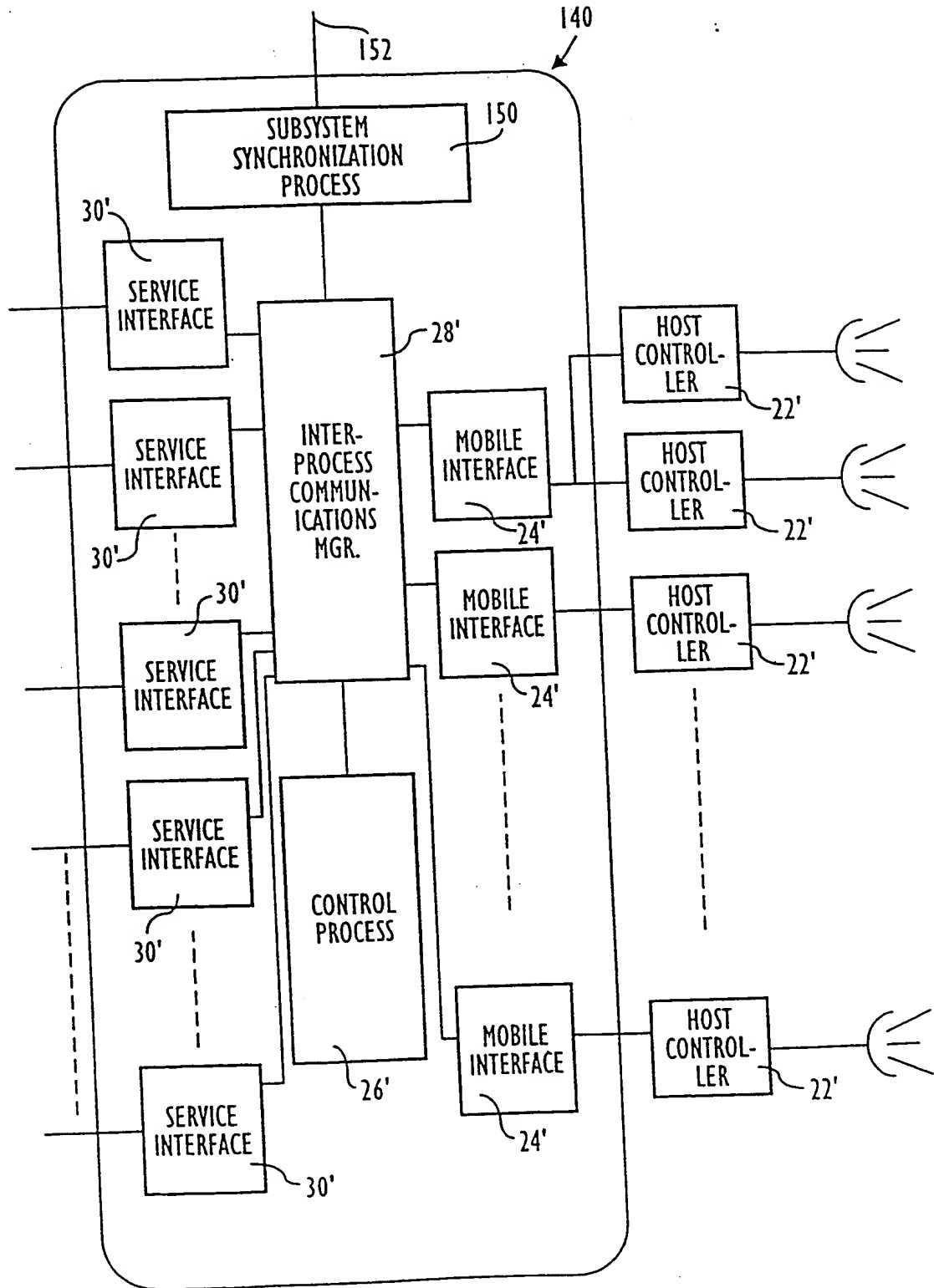




FIG 28

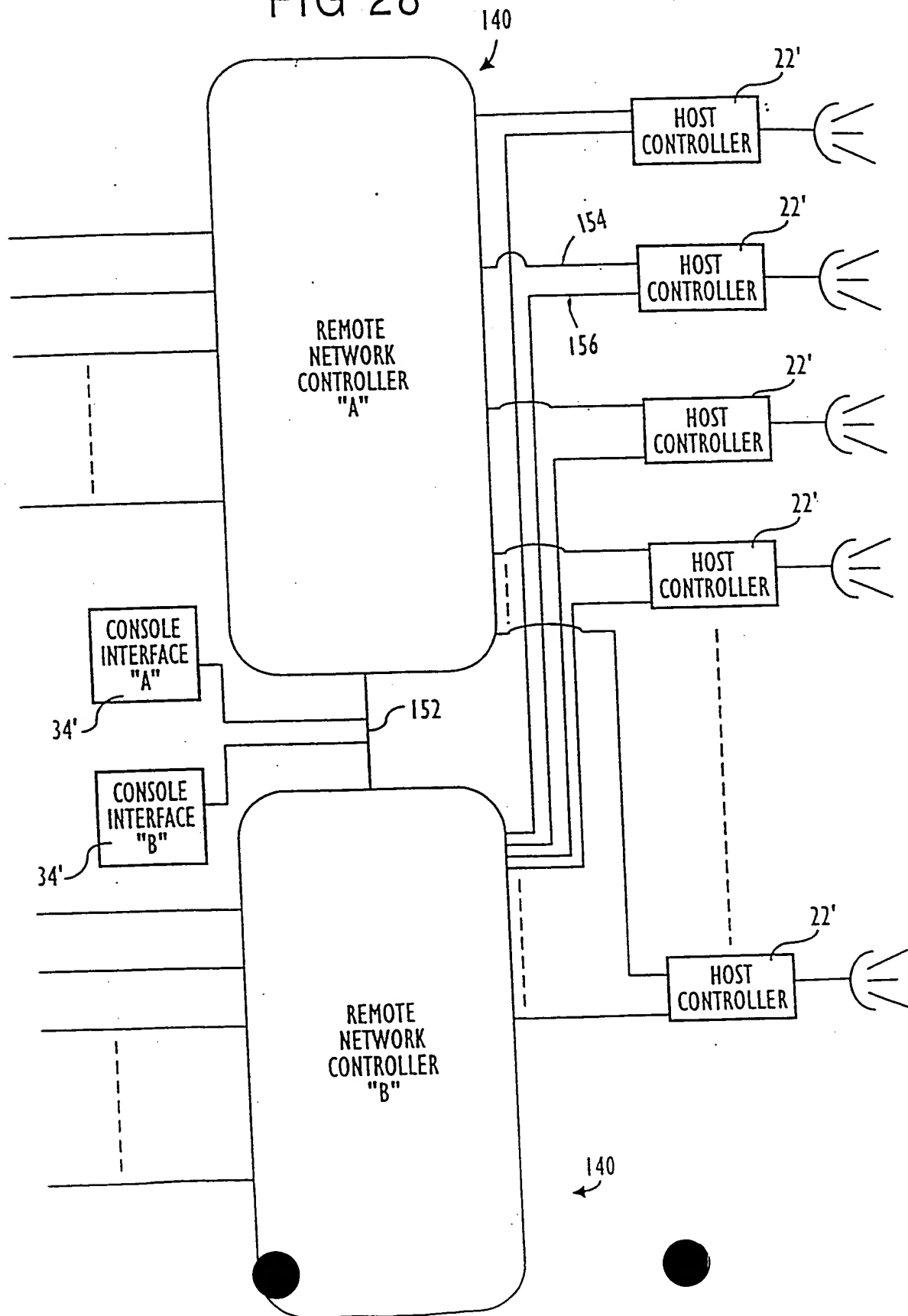
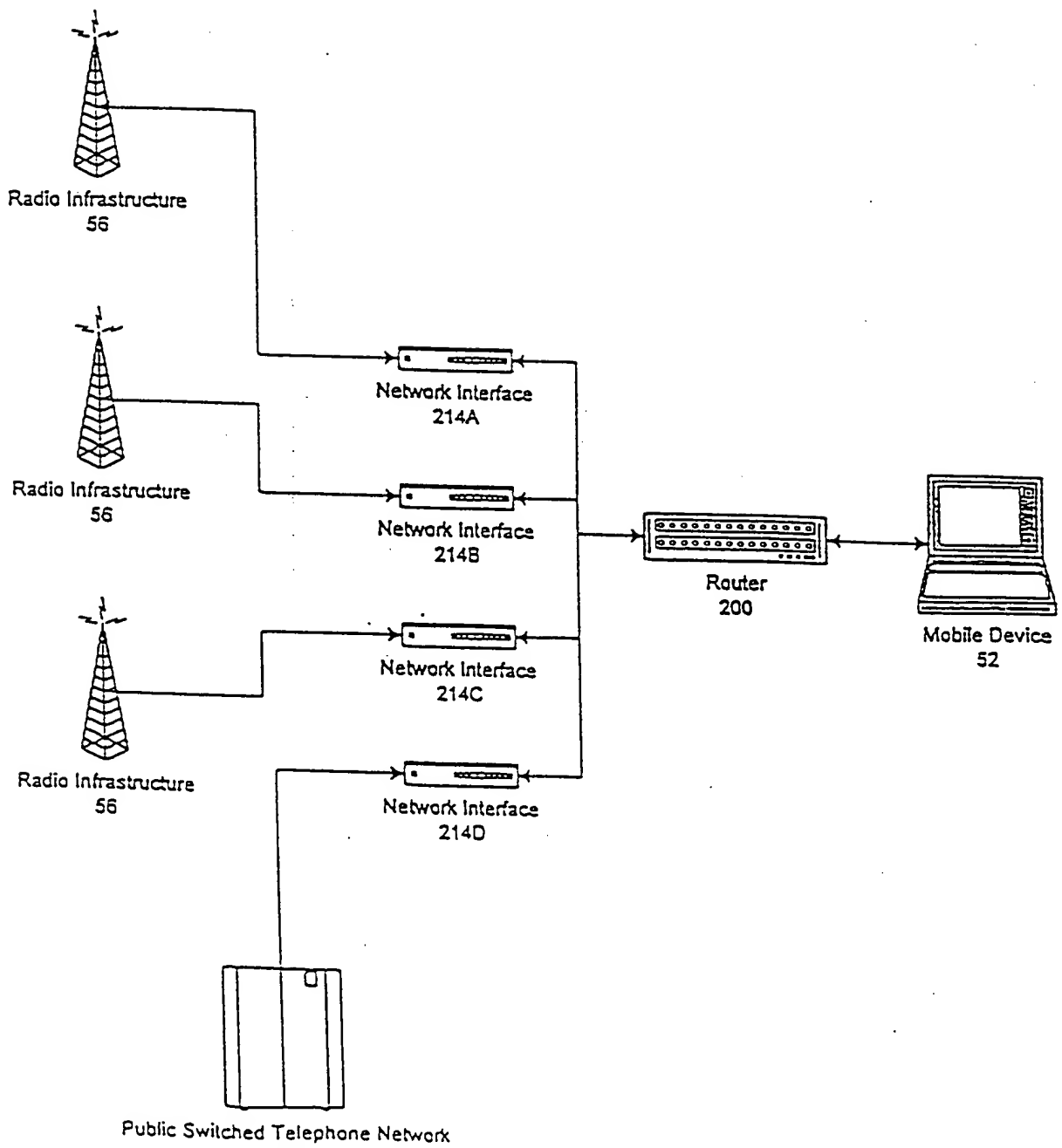




Fig. 29





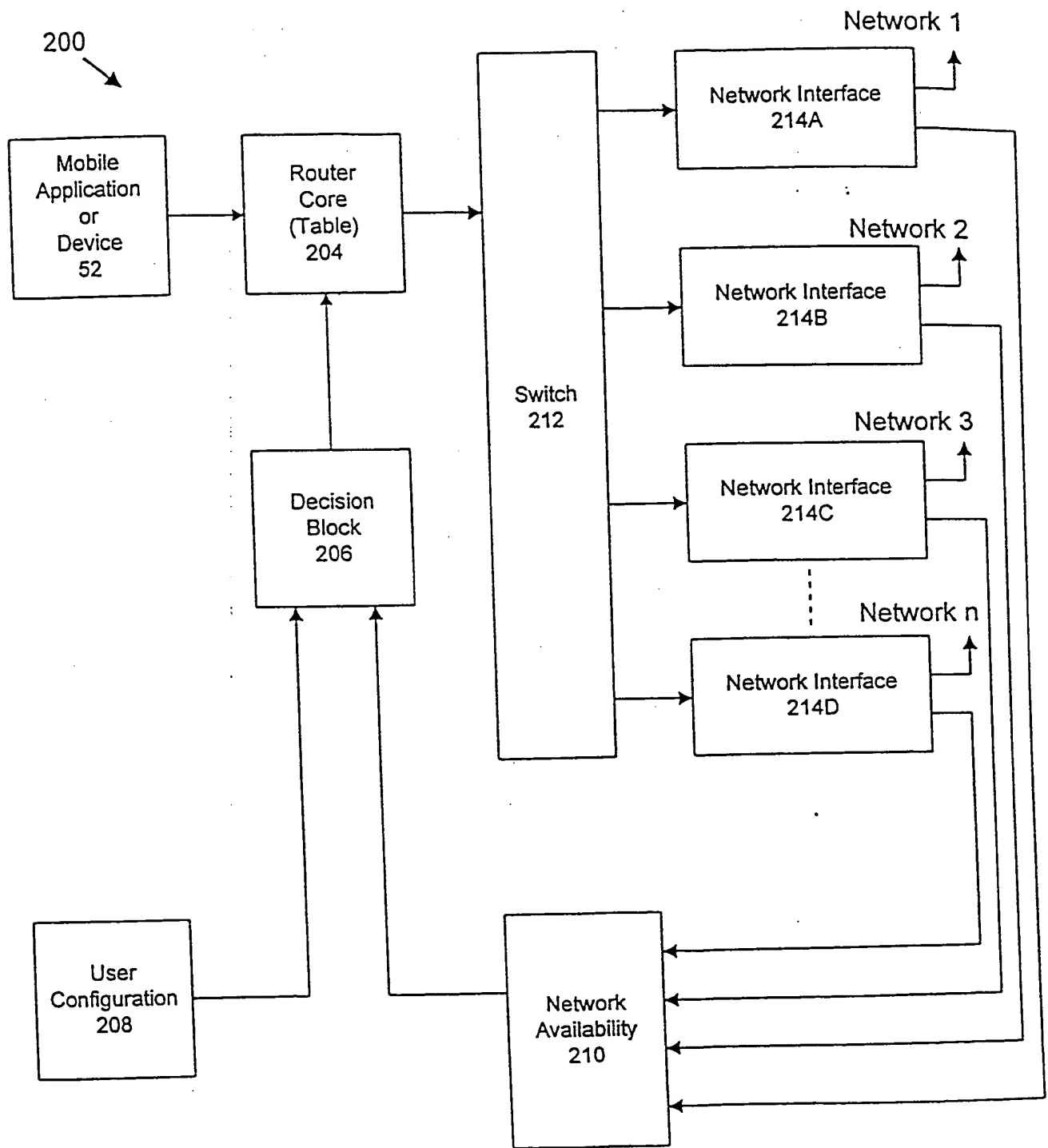
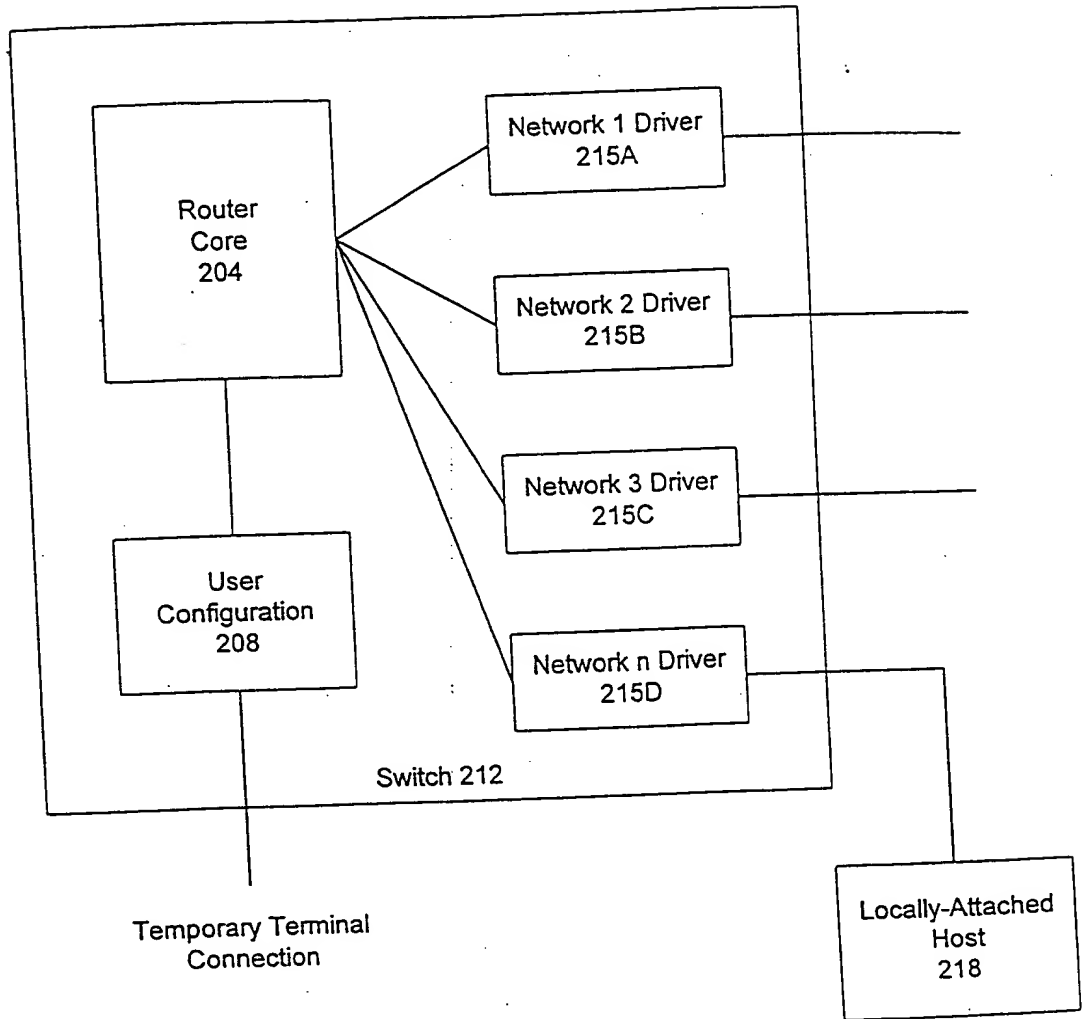


FIG. 30



FIG. 31





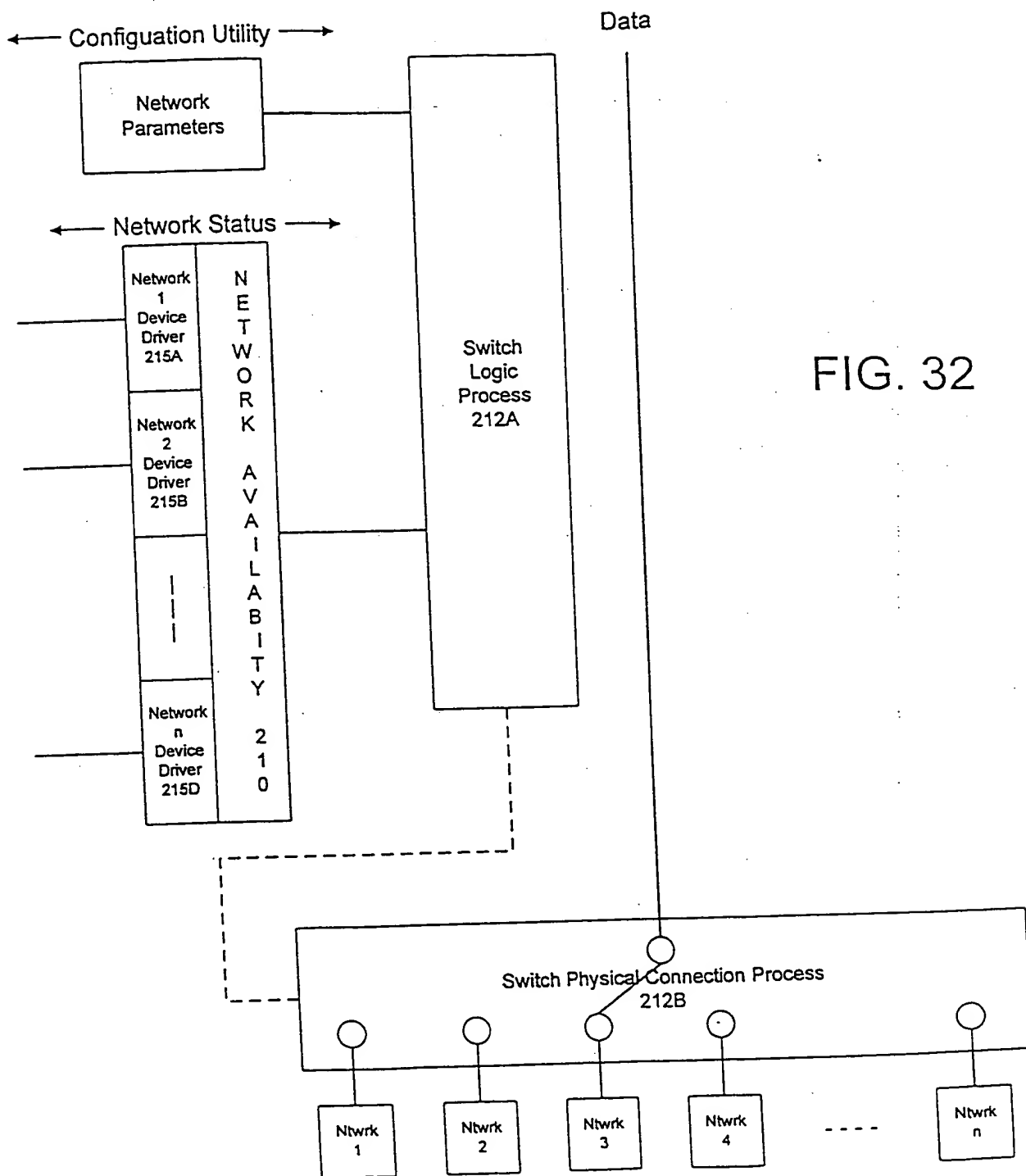


FIG. 32




```

graph TD
    310[CHECK FIRST CHANNEL PRIORITY] --> 312{FIRST CHANNEL?}
    312 -- YES --> 314[BUILD TABLE ENTRIES FOR CHANNEL]
    312 -- NO --> 320{ALL CHANNELS CHECKED?}
    314 --> 316[INCREMENT TO NEXT CHANNEL]
    316 --> 312
    320 -- YES --> 322{ANY TABLES BUILT?}
    320 -- NO --> 314
    322 -- YES --> 326[INITIALIZE ALL CHANNELS AND GO TO FIRST CHANNEL AND START]
    322 -- NO --> 324[CONFIG ERROR]
    326 --> 328((B))
    324 --> STOP([STOP])

```

**FIG. 33**

328 



```

graph TD
    A((A)) --> B360[360]
    B360 --> C362[362: SET CHANNEL = 1]
    C362 --> D350{350: CHANNEL AVAILABLE}
    D350 -- YES --> E328((B))
    D350 -- NO --> F348[348: GO TO NEXT CHANNEL]
    F348 --> D350
    G342((D)) --> H344[344: SET STATUS IN DATABASE]
    H344 --> I346{346: CHECKED AVAILABILITY OF ALL CHANNELS}
    I346 -- NO --> F348
    I346 -- YES --> J352{352: PRESENT CHANNEL AVAILABLE?}
    J352 -- NO --> K356((C))
    J352 -- YES --> L354((354: CONNECT))

```

**CONNECT**



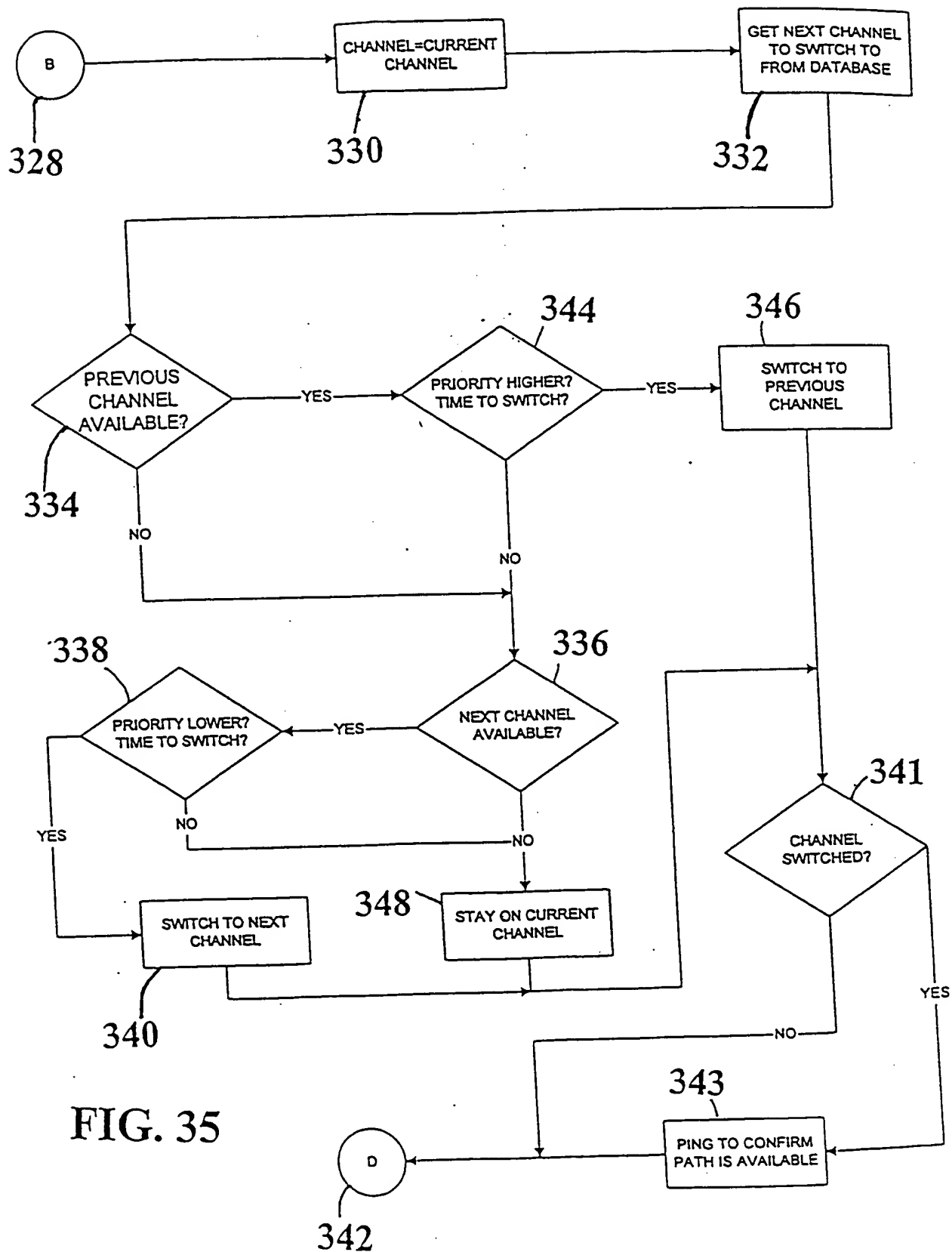


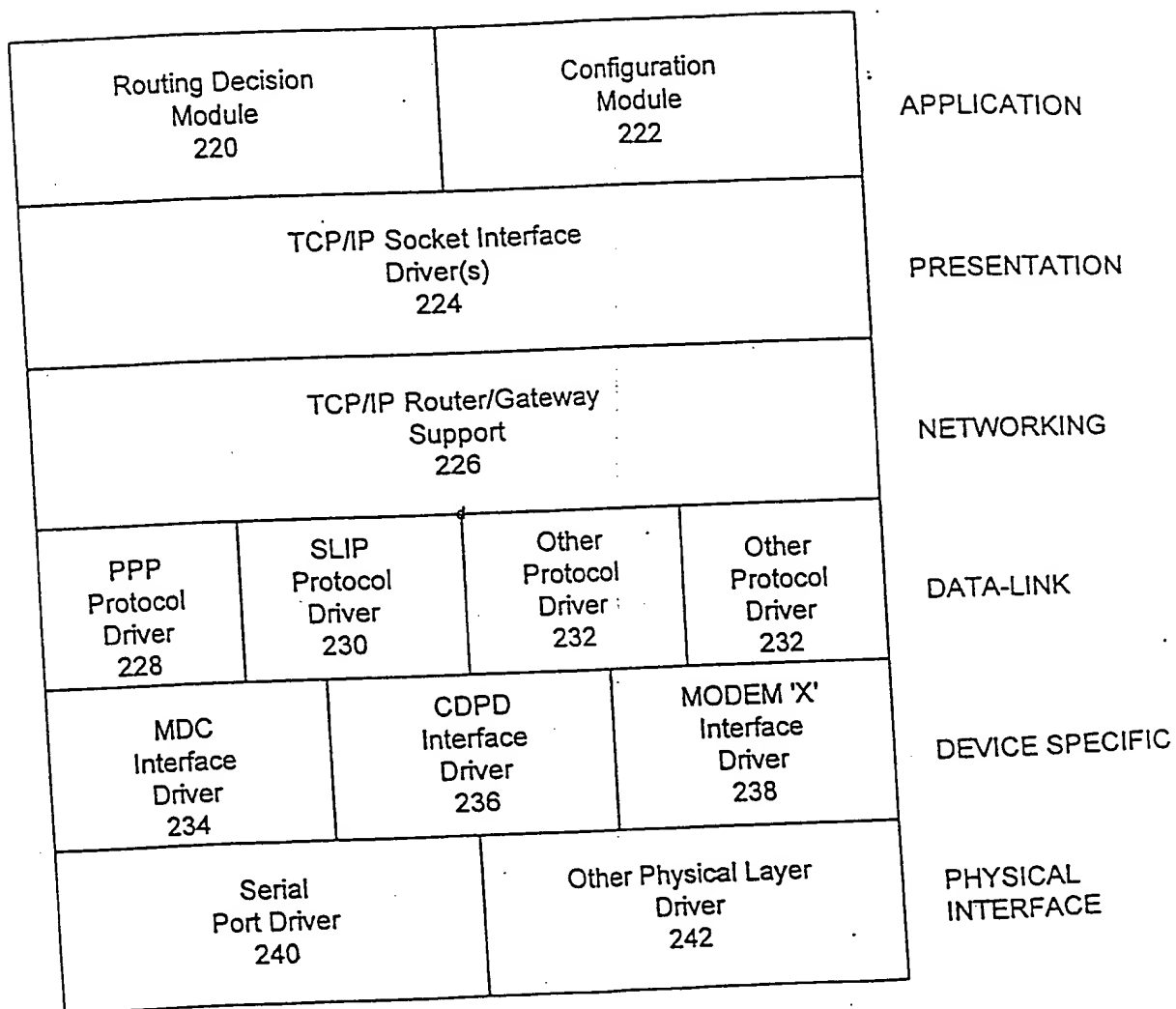


FIG. 36





219





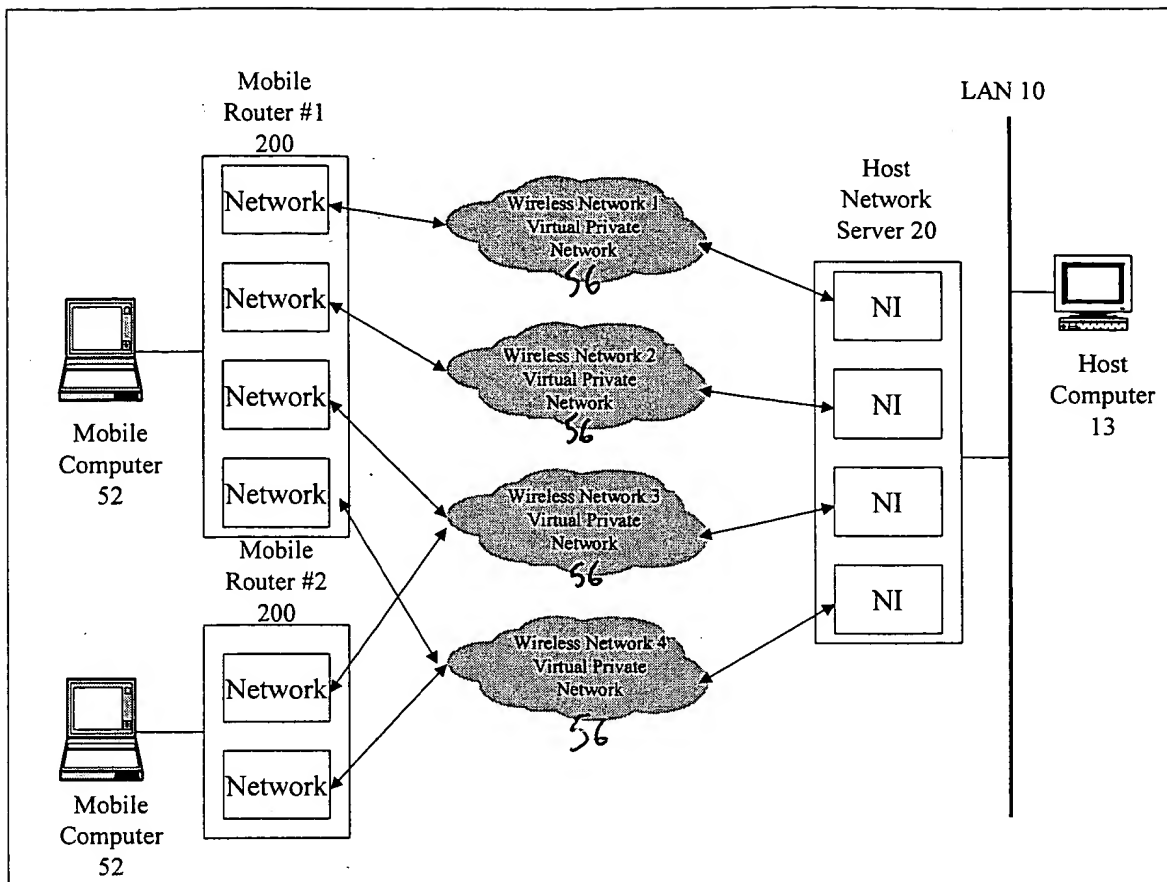
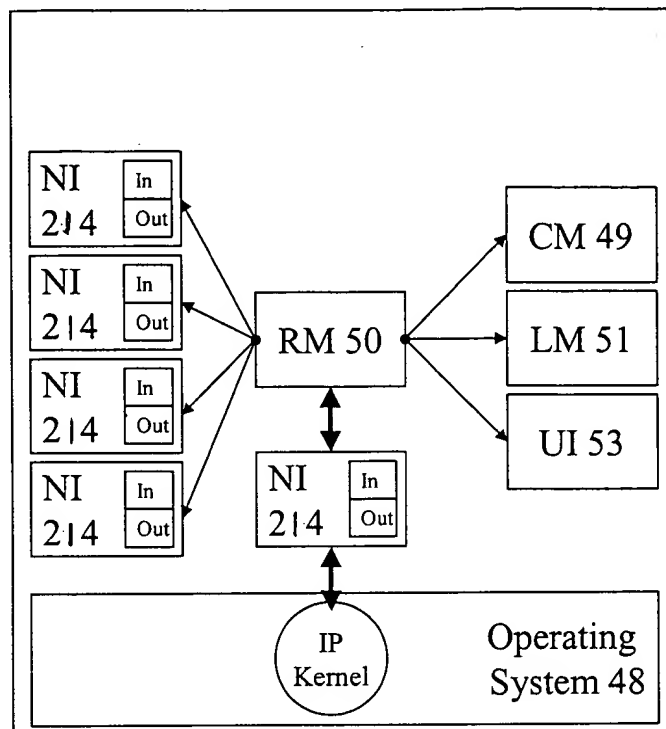


Figure 38

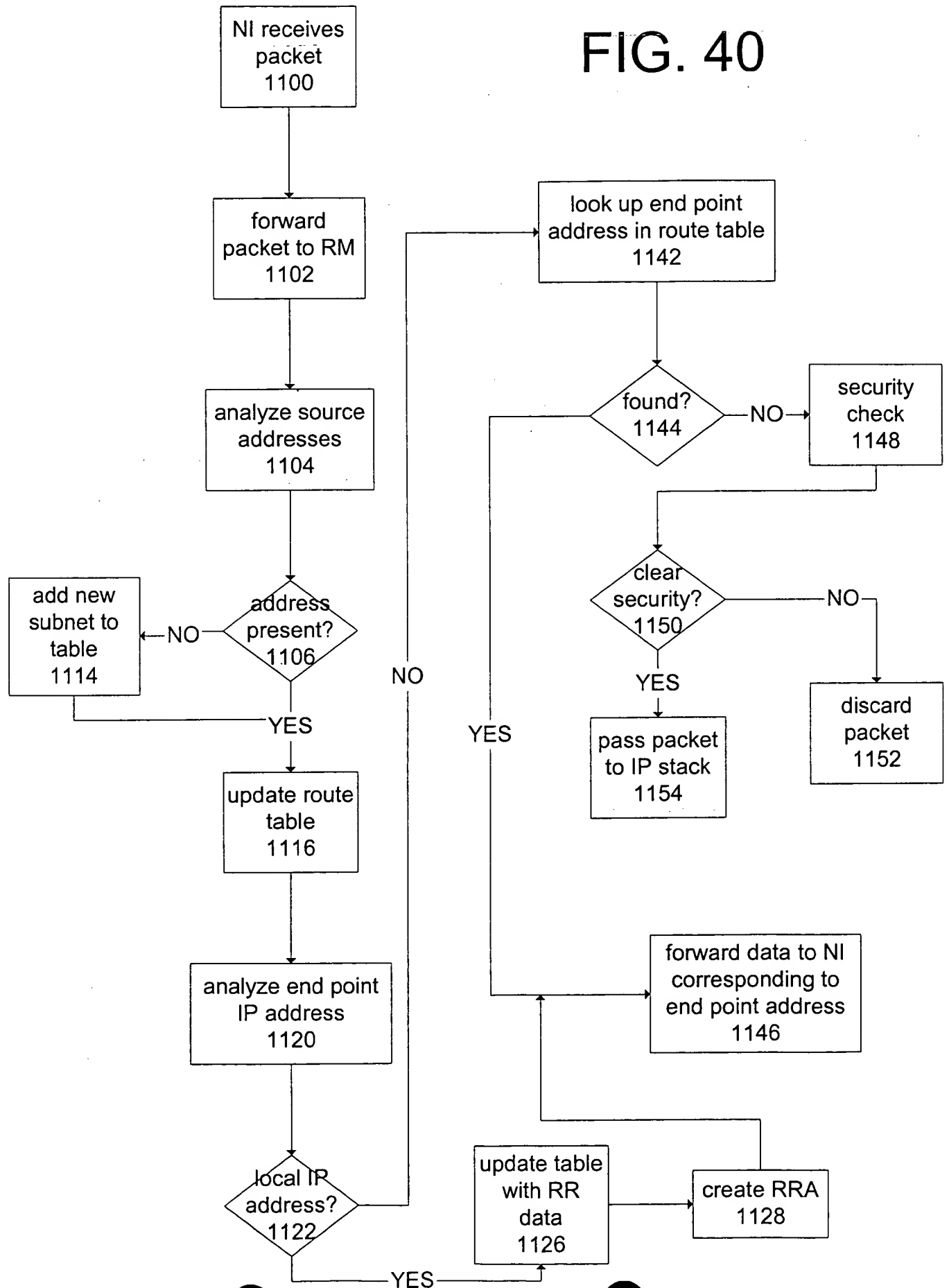




**Figure 39**



FIG. 40





Subnet	Network	Mask	Network ID	Gateway	Entry Time Stamp	Last Packet Time Stamp
192.0.0.0	192.0.0.0	255.255.255.0	0	165.43.24.121	1/2/00 24:00	1/9/00 12:23
193.0.0.0	193.0.0.0	255.255.255.0	1	209.21.1.3	1/8/00 1:11	1/9/00 23:24
194.0.0.0	194.0.0.0	255.255.255.0	1	205.1.2.3	1/5/00 2:34	1/9/00 23:23
195.0.0.0	195.0.0.0	255.255.255.0	0	111.23.41.2	1/9/00 7:56	1/9/00 9:00

196.0.0.0	196.0.0.0	255.255.255.0	1	10.23.44.1	1/8/00 5:32	1/9/00 1:23
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**Figure 41**



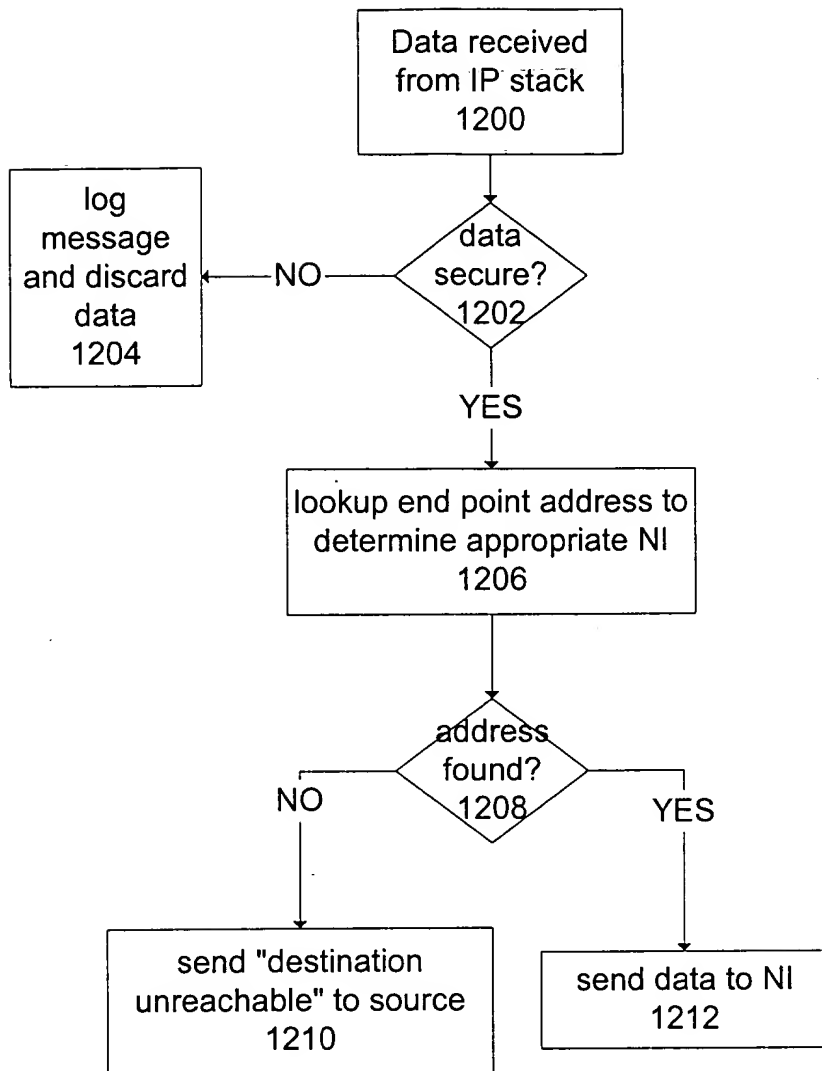


FIG. 42

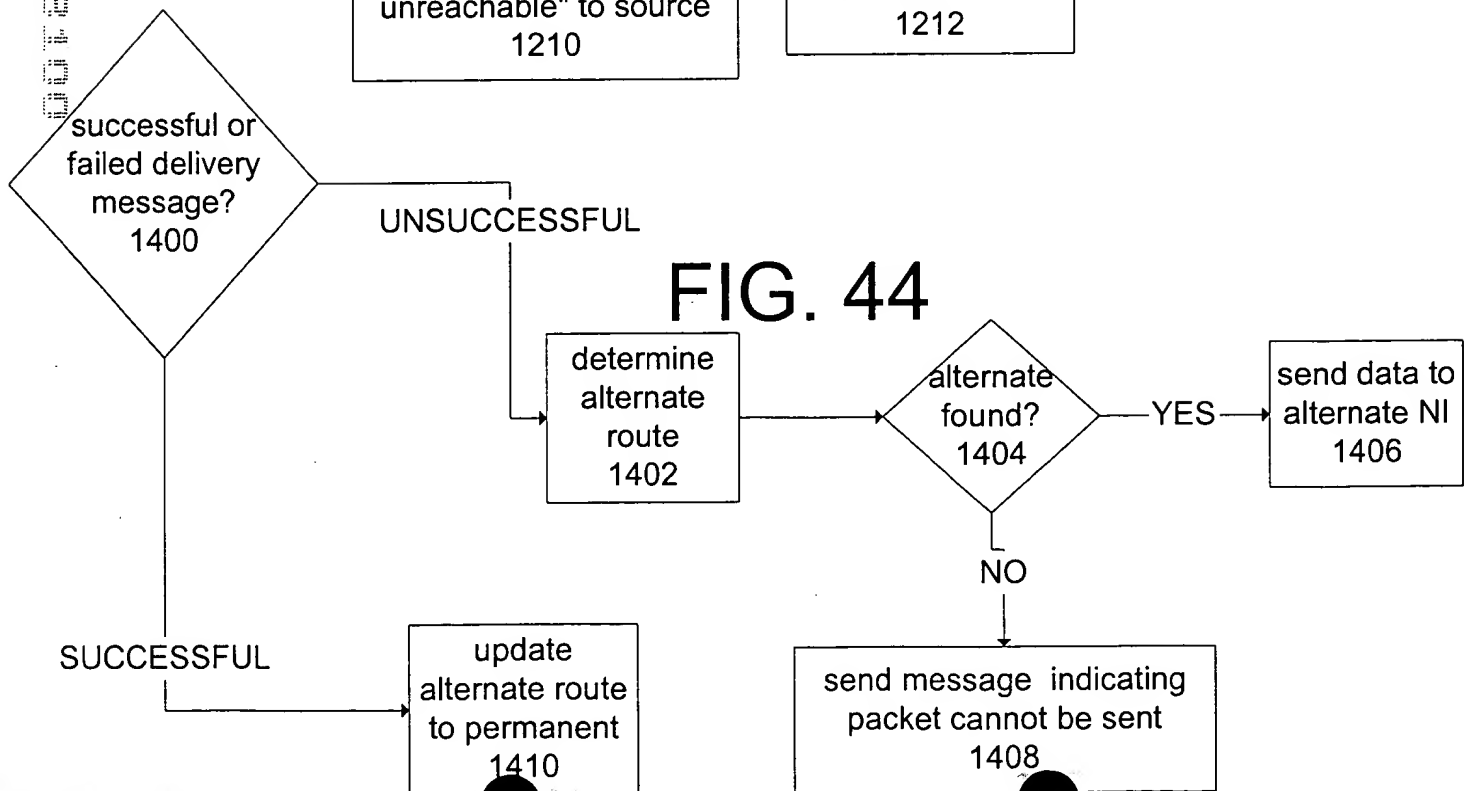
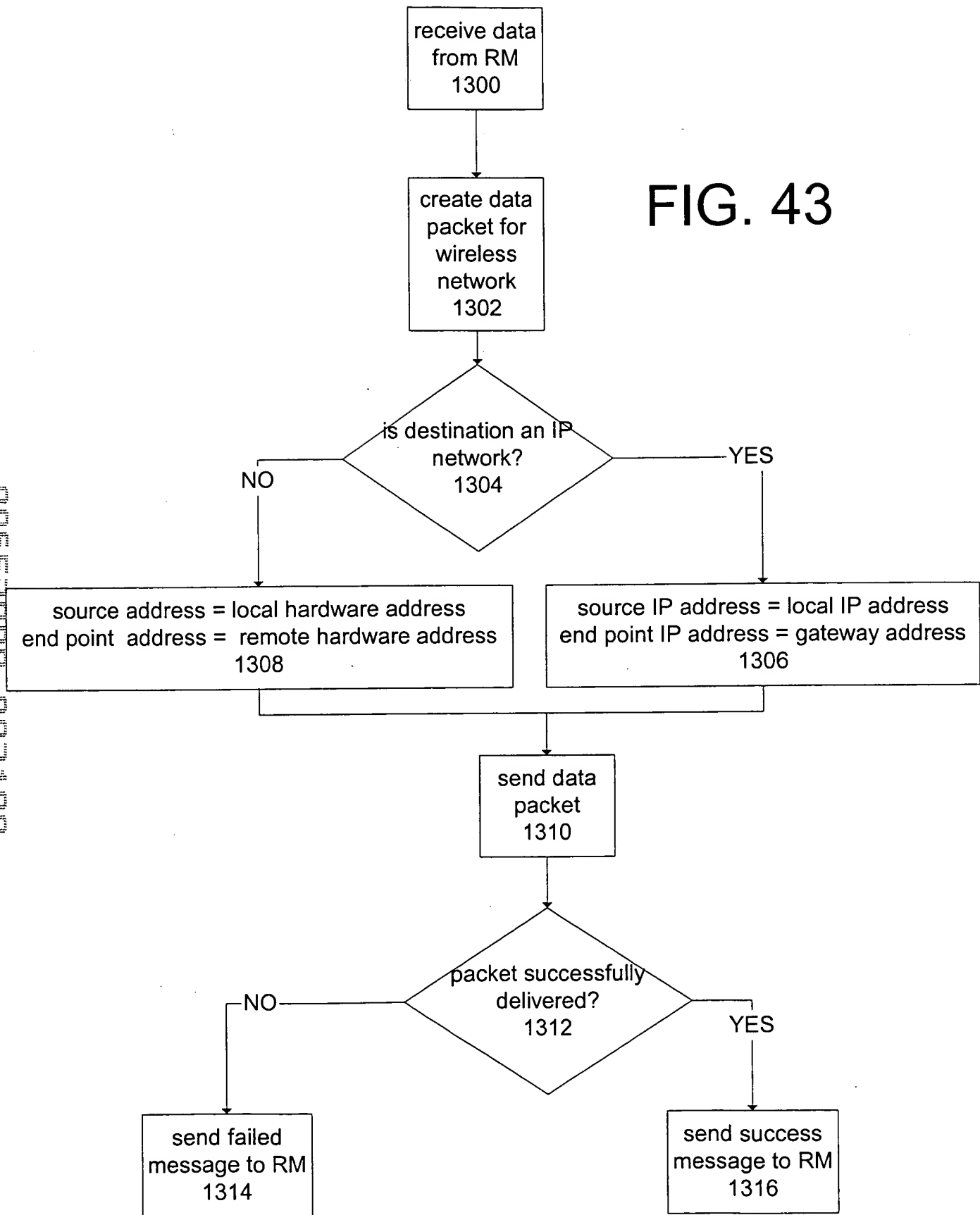


FIG. 44



FIG. 43





```
graph TD; OS[Operating System 442] <--> RSM[RSM 446]; RSM <--> RCM[RCM 448]; RSM <--> RLM[RLM 447]; RCM --> RM((RM 450)); RSM --> RM; RLM --> RM;
```

The diagram illustrates the system architecture. At the top is the Operating System 442, which is connected to the RSM 446 via a bidirectional arrow. The RSM 446 is also connected to the RCM 448 and RLM 447 via bidirectional arrows. All three components (RCM 448, RSM 446, and RLM 447) have arrows pointing to the RM 450, which is represented by a circle at the bottom.

**Figure 45**



Interface 1 Configuration (Variable Bytes)

Interface 2 Configuration (Variable Bytes)

Interface 3 Configuration (Variable Bytes)

Interface 4 Configuration (Variable Bytes)

Interface 5 Configuration (Variable Bytes)

Interface 6 Configuration (Variable Bytes)

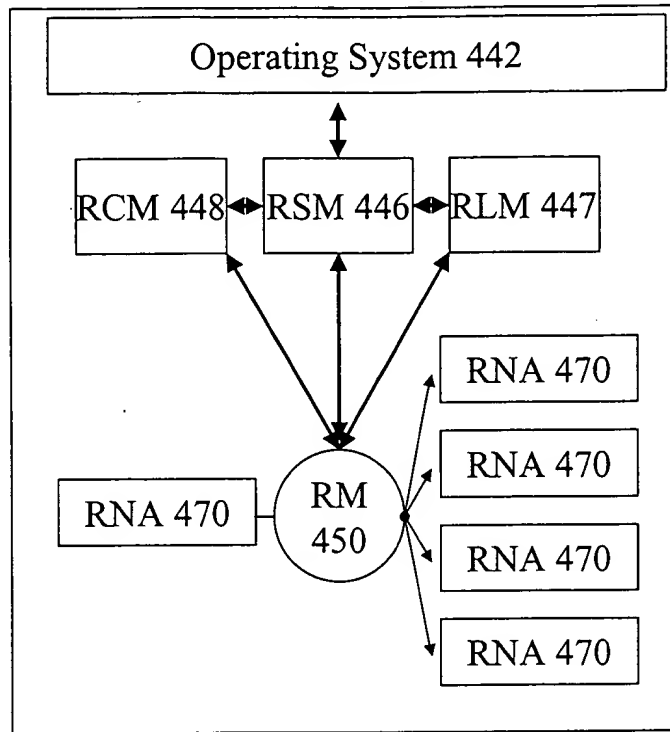
End Point IP Address (Variable Bytes)

Host Network Server IP Address (4 Bytes)

AFS Configuration (Variable Bytes)

**Figure 46**





**Figure 47**



IP Header (20 Bytes)

UDP Header (8 Bytes)

Route Reg. Version

Command

Num. of IP Addresses

Sequence Number

Gateway IP Address

End Point IP Address (1)

End Point IP Address (2)

End Point IP Address (n)

Figure 48